

PHASE II ENVIRONMENTAL SITE ASSESSMENT

**33777 Valley Center Road
Valley Center, CA 92082**

CLIENT: Marvin Donius
33777 Valley Center Road
Valley Center, CA 92082

PREPARED BY: *Marc Boogay*
Consulting Engineer
326 Main Street
Vista, California 92084

DATE: August 7, 2008

PROJECT NUMBER: 08-0311a

IMPORTANT NOTICE: This report is confidential. It may not be read or relied upon, except by the Client and the San Diego Department of Environmental Health.

ABSTRACT

Phase II environmental site assessment services were conducted on the property identified by the address 33777 Valley Center Road in Valley Center, California. This property had been occupied by several commercial tenants including a mushroom farm, tow yard, citrus packer, and truck company; however, subject site buildings, as well as other onsite structures/features were severely damaged by wildfires in October 2007. This report concerns potential impact to underlying soil from contaminants released from the site's onsite diesel tank, waste oil containment area, and damaged onsite vehicles, impact to water at an onsite production water well, and an assessment of ash. Investigative activities were limited to sampling soil in three areas, taking of several groundwater samples, and two composite ash samples. Soil samples were taken from a paved waste oil containment area, from an area where an aboveground diesel fuel tank was damaged, and from an unpaved area where parked trucks burned during the fires.

Of the four soil samples taken near the waste containment area two locations showed total recoverable petroleum hydrocarbons (TRPH) at 28.0 mg/Kg and 15,500.0 mg/Kg; other, deeper samples showed no detectable concentrations. Of the six samples taken from near the aboveground diesel fuel tank one sample tested positive, 36.6 mg/Kg for diesel range and 67.6 mg/Kg for oil range; other samples from this area had no detectable levels. Of the eight soil samples taken from an area in the northern portion of the subject site where several large trucks had been severely damaged by fires, none had detectable concentrations of TPH. Results from testing of two composite ash samples had detectable levels of several metals; however, most were below EPA's published "Preliminary Remedial Goals (PRGs)." In both samples arsenic was identified at 0.923 mg/Kg and at 4.44 mg/Kg. These levels exceeded EPA's published PRG for residential soil, and the higher of them exceeded the PRG for industrial soil as well. In one sample, molybdenum was found at 449 mg/Kg, exceeding EPA's PRG for residential soil, but below EPA's PRG for industrial soil.

An array of groundwater samples were taken prior to purging the well, and another array was taken after the well was purged. These samples were tested for a variety of analytes and contaminants. Most of these examinations, including those for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), asbestos, dioxins, pesticides, etc. resulted in non-detection for both samples. Several metal components were found at detectable concentrations in both samples; however, all were below EPA's published PRGs for tap water. (There were several analytes for which established appropriate PRGs could not be found.)

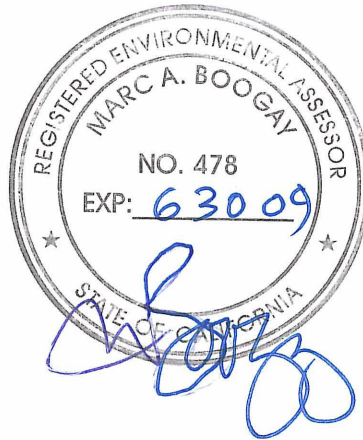
It is concluded that shallow soil from the areas near the waste oil containment structure should be removed from the subject site and properly disposed offsite. Ash sampling suggested that such ash be segregated from other fire-wastes for special disposal if/as possible due to levels of arsenic. Water quality from the site's production well appears satisfactory, but should be also be tested for microorganisms prior to potable use.

SIGNATURE

The inspection, research, and data discussion noted in this report were completed by me or under my direction.

Marc Boogay
California Registered
Environmental Assessor No. 00478

August 7, 2008



Jody Stryker
MBCE Associate

August 7, 2008

A handwritten signature in blue ink, appearing to read "Jody Stryker".

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1.0 AUTHORIZATION, OBJECTIVE AND APPROACH

This study was conducted in accordance with a contract between *Marvin Donius* (the "Client") and *Marc Boogay Consulting Engineer* (MBCE). Work concerned specific portions of the property identified by the address 33777 Valley Center Road in Valley Center, California (the "site"). For purposes of this report, directions along Valley Center Road will be cited as "north" and "south," with perpendicular directions referred to as "east" and "west." The site was on the east side of Valley Center Road, immediately across from *Harrah's Rincon Casino*.

The objective of this work will be to judge the likelihood that hazardous conditions involved with the site could result in an enforced cleanup.

2.0 SCOPE OF WORK

The scope of services for this work is described further as follows:

- Notification of Underground Service Alert to invite nearby utilities to mark public underground utilities per state law.
- Soil sampling at the areas described. Soil shall be sampled at 0.5-foot and 1-foot depths, with use of a photo-ionization detector to assess whether deeper samples (from 2-3-feet) are appropriate.
- Sampling of fire ash.
- Rough-surveying of the sampled areas, with preparation of a map using computer-drafting.
- Groundwater sampling at one production water well, with samples taken immediately upon pump startup and again after a purging volume of about 100-gallons. (Purged water will be disposed of by hose to an onsite septic system, with hose to be provided and laid out for this by the Client.)
- Laboratory services for a wide range of soil, ash, and groundwater examinations as described in the Sampling Plan.

3.0 BACKGROUND

Work described here was based on information gathered in a Phase I¹ report, as well as on work described in a Sampling Plan² completed for the Client in compliance with EPA specifications. In the original Phase I report recognized environmental conditions were inferred from the presence of three aboveground storage tanks onsite, as well as quantities of waste oil associated with previous onsite operations. No evidence of release was noted at that time,

¹ Phase I Environmental Site Assessment 33777 Valley Center Road in Valley Center, Marc Boogay Consulting Engineer, 07-0721, August 16, 2007.

² Sampling Plan, 33777 Valley Center Road in Valley Center, California, Marc Boogay Consulting Engineer, 08-0311, May 12, 2008.

except for minor staining beside a fuel dispenser associated with the in-use tank, and no evidence of ongoing release investigation involving regulatory agencies was found.

After the October 2007 fires, a visit to the subject site was conducted by Marc Boogay of *Marc Boogay Consulting Engineer*. It was noted that fire destroyed all onsite buildings as well as most else located onsite including several cars in the paved tow yard, several trucks parked in an unpaved lot, several aboveground tanks (one containing diesel fuel), and an area used as a secondary containment for waste oil drums. Remaining building materials and destroyed vehicles were being demolished and removed from the subject site. In addition, ash and burnt materials/debris were being swept up/collected and were observed to be in piles or specific areas of the subject site.

From this visit and another visit associated with the development of the sampling plan, three areas were selected for soil sampling. In addition, it was determined that two composite ash samples would be taken from the materials still noted at the subject site. The groundwater well located onsite was also damaged during the fires and it was determined that groundwater would be tested both before purging and after purging of the well. Identification of "contaminants of concern" and of examinations to be performed were as requested in communications with EPA representatives.

4.0 SAMPLING AND FIELD OBSERVATIONS

Sampling locations addressing the threats identified for the site were selected according to prior observations of where fuels were used/stored as well as where fire damaged vehicles and fuel-related storage structures. A sampling plan was prepared, submitted, and modified based specifications set forth by the EPA. The sampling/site plan describing work performed for this report is attached as Appendix I.

Site work was performed on June 16, 2008. Work included a total of eighteen soil samples, two composite ash samples, groundwater samples taken immediately upon starting the groundwater well, and groundwater samples taken after purging the well of approximately 100-gallons of water.

Borings were made in three different areas of the subject site to acquire soil samples. The specific locations of borings made and soil samples taken are shown in the schematic maps included as Appendix II.

Near the fire damaged waste containment area, a total of four samples were acquired. Sample locations were biased by observations of obvious staining, low points, etc. The waste oil containment area was comprised of a concrete block enclosure, which was largely surrounded by Portland cement concrete (PCC). Immediately east of the secondary containment structure was unpaved ground, which was considered offsite. Immediately south of the structure, before the PCC lot, was a narrow area that appeared unpaved. Here one boring was made, immediately south from the center of the concrete block enclosure; three samples were taken from this boring at approximately 18-inches, 30-inches, and 40-inches. Deeper samples were deemed too difficult to acquire due to denseness of soil. Use of the photo-ionization detector (PID), plus direct observation of staining and odor was interpreted as a basis for deeper sampling (to 40-inches) in this boring. A sample of soil was taken from each depth to assess

whether petroleum hydrocarbon vapors were present in soil. Another shallow soil sample was acquired from approximately 9-feet south of the south edge of the containment structure. This sample was acquired from surface soils at approximately 2-inches; pavement was encountered immediately beneath this depth. These soil samples were labeled WCA-1 through WCA-4.

Three borings were made in the area surrounding the aboveground storage tank, which previously contained diesel fuel, and which was located along the east center side of the subject site. As before, boring locations were biased for any obvious staining, low points, etc. Here one boring was made along the tank's west side, another along its east side, and one near the southeast corner of its original location. At each of these borings one sample was taken from approximately 12 inches, and a deeper sample was taken from approximately 30 inches. These were labeled AST-1 through AST-6. As before, PID readings were acquired from soil at approximately 18-inches deep in each boring; none of these were interpreted to require deeper sampling.

Where several large trucks had been parked and burned by the fires, an area approximately 12-feet by 8-feet was chosen for sampling. This area was noted to have areas of darkened soil and black ash, however it had already been raked and the original locations of staining were difficult to identify. Four borings were made in this area, with locations chosen to represent the overall area but with bias to low points and/or areas of staining. Two samples were taken from each boring, one at approximately 6-12-inches and a deeper sample from approximately 18-24-inches. These samples were labeled TA-1 through TA-8. Here, as before, PID readings were not interpreted to require deeper sampling.

Soil encountered in all of the borings was described as sandy-silt with colors varying from tan to brown. Soil near the waste oil containment area was darker in color and appeared to have more moisture. In shallow surface soil some oily discoloration was noted near the base of the waste oil containment structure, as well as on the pavement immediately south. Deeper soil was not observed to have the same discoloration. No odor was noted in soil taken from any of the other borings.

Samples were taken in metal tubes, labeled, and placed within an insulated and iced cooler. They were delivered by *Golden State Overnight* courier service without delay to *American Scientific Laboratory*, an EPA-approved laboratory, for analysis.

Soil samples taken from the waste oil containment area were analyzed by EPA Method 418.1 "Total Recoverable Petroleum Hydrocarbons," due to the obvious presence and past presence of used waste oil and mixed fuels. Samples from the aboveground storage tank area were analyzed by EPA Method 8015-d "Total Petroleum Hydrocarbons, diesel/oil range," due to the past presence and usage of diesel fuel as was stored in the aboveground storage tank, and released/burned in the fires. Samples from the area where several trucks were parked and damaged were analyzed by EPA Method 8015-d and -g "Total Petroleum Hydrocarbons, diesel/oil and gasoline range," due to the past presence of vehicles that likely contained both diesel and gasoline fuels.

Two composite ash samples were acquired from various locations on the subject site. One was compiled from ash found in areas on the northern portion of the subject site, and the other was compiled from ash found mostly in the southeastern portion of the subject site. It was noted that most of the remaining ash materials had been swept from the site and were comingling with

general debris, soil, and fragments of retaining walls, and/or remaining structural elements. These ash materials were placed into clean, unused Ziploc bags and hand-worked to maximize homogeneity, then transferred quickly into glass jars. These samples from the northern and southeastern portions of the subject site were labeled ASH COMP-1 and ASH COMP-2, respectively. The glass jars were also placed within an insulated and iced cooler, and delivered by *Golden State Overnight* courier service without delay to *American Scientific Laboratory*, an EPA-approved laboratory, for analysis. These samples were analyzed for CCR Title 22 Metals.

Groundwater samples were taken in accordance with specifications from a San Diego Region EPA representative. The onsite waste well had also been damaged in the fires, and so a diesel generator was used to power the repaired pump. Immediately upon turning on the well pump, sixteen groundwater samples were taken in various sample containers (described in the Sampling Plan and listed in the associated tables, included as Appendix II). These samples were labeled BP-1 through BP-16, with multiple-bottle samples identified by letter such as BP-2a and BP-2b, etc. The well was then purged, with approximately three times its volume (which was estimated at approximately 87-gallons) discarded through hose into an onsite septic system. After purging the well/pump, another array of sixteen groundwater samples were taken. These samples were labeled GW-1 through GW-16, with multiple-bottle samples identified by letter such as GW-2a and GW-2b, etc.

Water was suspected of having impact by components of petroleum hydrocarbons, viz., fuels and lubricants. This sample is also to be analyzed for most typical inorganic analytes as listed in Table 64431-A of the California Safe Drinking Water Act & Related Laws and Regulations³, as well as for the VOCs/SOCs listed in Table 64444-A of the same document. The appropriate EPA Methods, holding times, samples containers, and preservation methods are also listed in the tables included as Appendix I.

Petroleum products were suspected in any sludge or runoff as may have collected in the sump centrally located between site buildings. No sumps were readily accessible for sampling.

5.0 SUMMARY OF SAMPLE ANALYSIS RESULTS

The complete laboratory report is presented as Appendix III. Of the eighteen soil samples acquired, most showed non-detectable levels of petroleum hydrocarbon elements. Three samples showed detectable levels of contaminants; these were all shallow samples. A summary of soil analyses (not including background samples) is as follows:

Method 8015B, TRPH (mg/Kg)

Samples Ids, approximate depth	TRPH (mg/Kg)	PID Reading (ppm), depth
WCA-1, 18-inch depth	28.0	210.0, 12-inches
WCA-2, 30-inch depth	ND	40.0, 30-36-inches
WCA-3, 40-inch depth	ND	1.5, 40-inches
WCA-4, 2-4-inch depth	15500.0	N/A

³ California Regulations Related to Drinking Water, from Title 22 California Code of Regulations, California Safe Drinking Water Act & Related Laws and Regulations:" last updated October 11, 2007.

Method 8015B-d, TPH DROs/OROs (mg/Kg), PID readings

Samples Ids, approximate depth	TPH DROs (mg/Kg)	TPH OROs (mg/Kg)	PID Reading (ppm), depth
AST-1, 12 inch	36.6	67.6	1.7, 12-18-inches
AST-2, 30 inch	ND	ND	N/A
AST-3, 12 inch	ND	ND	2.3, 12-18-inches
AST-4, 30 inch	ND	ND	N/A
AST-5, 18 inch	ND	ND	12.0, 18-inches
AST-6, 30 inch	ND	ND	N/A

Method 8015B-d and-g, TPH DROs/OROs, and GROs (mg/Kg), PID readings

Sample Ids, approximate depth	TPH GROs (mg/Kg)	TPH DROs (mg/Kg)	TPH OROs (mg/Kg)	PID Reading (ppm), depth
TA-1, 6-12 inch	ND	ND	ND	0.4, 12-inches
TA-2, 18-24 inch	ND	ND	ND	N/A
TA-3, 6-12-inch	ND	ND	ND	2.1, 12-inches
TA-4, 18-24-inch	ND	ND	ND	N/A
TA-5, 6-12-inch	ND	ND	ND	0.3, 12-inches
TA-6, 18-24-inch	ND	ND	ND	N/A
TA-7, 12-inch	ND	ND	ND	1.2, 12-inches
TA-8, 18-24-inch	ND	ND	ND	N/A

Ash samples showed detectable levels of several metals; these were compared to EPA's published "Preliminary Remedial Goals (PRGs)" for residential soil (the strictest standard). Only two of the analytes were above these levels. Arsenic was found to be at a concentration of 0.932 mg/Kg in ASH COMP-1 and at a concentration of 4.44 mg/KG in ASH COMP-2. The PRG for arsenic in residential soil was listed as 0.39 mg/Kg; concentrations found in both samples were above the EPA PRG levels for residential soil. The PRG for industrial soil was listed as 1.6 mg/Kg; only concentrations found in sample ASH COMP-2 were above this level. Molybdenum was found at a concentration of 0.923 mg/Kg in ASH COMP-1 and at 449 mg/Kg in ASH COMP-2. The PRG level for molybdenum in residential soil was listed as 390 mg/Kg; concentrations found only in sample ASH COMP-2 were above this level. The PRG listed for industrial soil was 5100 mg/Kg; neither sample was found to have concentrations above the EPA PRG for industrial soil.

All analyses performed on both sets of groundwater samples resulted in non-detectable levels of most analytes/contaminants. Only detectable levels of metals were found; this occurred in both the pre-purge sample and the sample taken after purging the well. All levels of these metals were below published EPA PRGs for "tap water," except for the concentration of zinc found in sample BP-11. Sample BP-11 was taken from well-water before purging. The detectable concentration found in the sample taken after purging the well was significantly below the PRG listed for zinc in tap water. There were two analytes for which no PRG level was listed in relation to its concentration in water; these were chromium and lead.

During the purging of the groundwater well, done in between sampling of groundwater on the subject site, pH levels were testing three times to check variance in water characteristics as it

was pumped from the well. The pH remained relatively uniform, fluctuating between 6.2 and 6.46. The temperature also remained relatively uniform, and varied from 23.5 degrees Celsius and 21.6 degrees Celsius, becoming slightly cooler through the purging period. Conductivity appeared to change significantly from the initial reading of 31 ppm to the second and third readings of 418 ppm and 415 ppm, respectively. This was interpreted to represent a temporary instrument error.

6.0 DISCUSSION AND RECOMMENDATIONS

Detectable concentrations of total recoverable petroleum hydrocarbons (TRPH) were found in shallow soil near the waste oil containment area. Photo-ionization detector (PID) readings taken at the time of sampling and soil sample analyses appeared to indicate that contamination was limited to shallow soils. A small area immediately west of the center of the aboveground storage tank also had detectable TRPH, in the diesel and oil range. At this location, PID readings and analysis results from other soil samples indicated that contamination was limited to near surface and shallow soils.

It is recommended that surface and shallow soils be removed from the onsite areas surrounding the waste oil containment area (southeast corner of the subject site), as well as from a small area immediately west of the previous location of the aboveground storage tank. A cleanup criterion range between 100- to 500-parts-per-million is recommended to guide cleanup work. This contaminated soil should be removed and disposed of according to appropriate standards.

Several metals were detected in both of the composite ash samples. Only levels of arsenic and molybdenum were deemed to exceed published "Preliminary Remedial Goals (PRGs)" for residential soil. Levels of arsenic were high in both samples ASH COMP-1 and ASH COMP-2, however only levels found in ASH COMP-2 were above both residential and industrial use PRGs. Only the concentration of molybdenum found in ASH COMP-2 was above the residential PRG; neither concentration was above PRGs as listed for industrial use.

It is recommended that all remaining ash and fire debris be removed from the subject site and lawfully disposed of offsite, with appropriate dust suppression efforts.

The only analyte identified in groundwater as above the published PRG for tap water was zinc. Elevated levels of zinc were found only in the groundwater sample taken prior to purging the well; the sample taken after the well was purged had levels of zinc significantly below the listed PRG. This is deemed to represent minor release from galvanized metal or similar, and not to imply degraded groundwater at the site.

Based on the subject site inspection and laboratory results, the risk of release from chemicals suspected of release at the site is deemed low. Further investigation, such as analysis of deeper samples, is not deemed warranted.

This report should be presented to the EPA for review. It is recommended that the EPA verify recommendations made in this report; following successful cleanup, consideration is recommended regarding a change of the status of this project to "case-closed," or "no further action."

**APPENDIX I SITE/SAMPLING PLAN INCLUDING GROUNDWATER SAMPLE/S
TABLES (INCLUDING LIST OF ANALYTES, EPA METHODS, HOLDING
TIMES, ETC.)**

Follows this sheet.

SAMPLING PLAN

**33777 Valley Center Road
in
Valley Center, California**

CLIENT: Marvin Donius
33777 Valley Center Road
Valley Center, CA 92028

PREPARED BY: *Marc Boogay*
Consulting Engineer
326 Main Street
Vista, California 92084

DATE: Revised, May 12, 2008

PROJECT NUMBER: 08-0311

IMPORTANT NOTICE: This report is confidential. It may not be read or relied upon, except by the Client and U.S. EPA.

ABSTRACT

The property identified by the address 33777 Valley Center Road in Valley Center, California (the "site") had been in use as a mushroom farm, as well as being occupied by several other tenants that included a citrus packer and a tow yard. In October of 2007, fire destroyed all onsite buildings as well as most else located onsite including several cars in the paved tow yard, several trucks parked in an unpaved lot, several aboveground tanks (one containing diesel fuel), and an area used as a secondary containment for waste oil drums. Remaining building materials and destroyed vehicles are currently being demolished and removed from the subject site.

This sampling plan will address the possibility of impact to underlying soil and groundwater from possible releases of diesel fuel from a burst aboveground diesel fuel tank, possible release from a secondary containment area used for waste oil, possible release that may have occurred beneath burning vehicles, water quality in an onsite groundwater production well, and layout of onsite wastewater disposal systems.

This plan provides for near-surface soil sampling in several areas, composite samples of burn ash, sampling of groundwater produced by the onsite well, and identification of areas used by the onsite wastewater treatment system.

SIGNATURE

This sampling plan was completed by me or under my direction.

Marc Boogay
California Registered Environmental Assessor No. 478

April 14, 2008

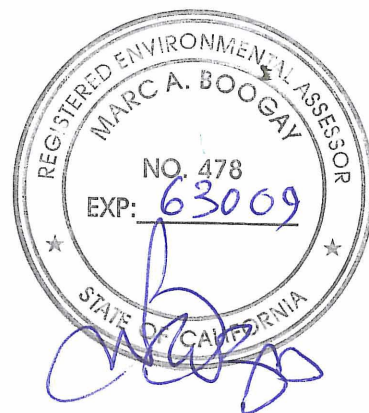


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DETECTION LIMITS

1.0 AUTHORIZATION

This Sampling Plan is prepared in accordance with a contract between Marvin Donius (the "Client") and *Marc Boogay Consulting Engineer (MBCE)*, dated on March 20, 2008. Work concerned the property identified by the address 33777 Valley Center Road in Valley Center, California (the "site"), located on the Rincon Indian Reservation.

2.0 OBJECTIVE AND APPROACH

The subject site comprises an approximately 3-acre area, comprised of both paved and unpaved areas. It had previously included several buildings used for the cultivation of mushrooms, as well as several above-ground tanks, a paved parking lot in use by a towing company, an unpaved area used for parking trucks and RVs, as well as additional areas. All structures were destroyed by fire; most are now demolished, and most burned remains await removal.

The objective of this sampling plan is to guide progress toward environmental site assessment of the subject site, especially as regards fire-related release. It includes description of sampling and analyses for shallow soil beneath areas of (suspected) released petroleum hydrocarbons, sampling and analysis of burn ash, assessment of water quality from an onsite production well, and assessment of location and extent of onsite wastewater system(s), i.e., septic tank(s) and percolation field(s).

3.0 BACKGROUND

For purposes of this report, directions along Valley Center Road will be cited as "north" and "south," with perpendicular directions referred to as "east" and "west." The subject site was on the east side of Valley Center Road, in an area by reservation land, including the *Harrah's Rincon Casino and Resort*, as well as private residential land.

Several tenants occupied the subject site prior to the October 2007 fire; these included *Mushroom Express*, *Automotive Specialists* (a towing company), a citrus packer, a lawn care company, a security company using part of the site for parked trailers, and two residential apartments. At the time of the visit conducted in relation to this study, some tenants had recently begun to resume limited operations onsite, mostly parking/storage-related usages.

3.1 The Subject Site Prior to the October 2007 Fire

The site was the subject of a 2007 Phase I ¹, in which the exterior site was described as follows:

The buildings were located near the center of the subject site lot, which was paved mostly in asphaltic concrete (AC). A driveway from Valley Center Drive ran near the west center side of the subject site lot. A chain-link fence surrounded the subject site on

¹ "Phase I Environmental Site Assessment 33777 Valley Center Road in Valley Center, California, Marc Boogay Consulting Engineer, August 16, 2007.

all sides. Immediately west of the buildings, just off of Valley Center Drive, was a vacant area that appeared to be used for general parking. Cover plates at grade were noted near the northwest corner of the southern building; these were said to be access-ways to one or more septic tanks.

At the southwest corner of the subject site was a trailer in use as an office for Automotive Specialists, a tenant of the subject site. The southeast corner of the subject site was separately fenced and said to be subleased to a tow yard for Automotive Specialists. This lot was paved in Portland cement concrete (PCC) and was occupied by parked cars, many of which were collision-damaged. Near the west end of this yard was a fenced dog enclosure and an unlabeled drum. Along the south wall of the southern building, immediately north of the vehicle yard, were several large piles of flattened cardboard boxes.

The area between the two concrete buildings was paved in PCC and appeared to be in use for miscellaneous storage. Stacks of boxes and crates were located along the sides of both buildings, a forklift, and several unused air conditioning units, an unused water softener tank, and two larger tanks were here. One of these tanks was 1000-gallon in size and was said to have been an onsite, in-ground gasoline tank; another was described as an unused diesel fuel tank. A grade-mounted transformer was at the west end of this area.

The area immediately north of the buildings was also paved in PCC, and then sloped downhill. Here were stacks of pallets, piles of metal parts and scrap, and miscellaneous storage.

Downhill from this paved area, the remaining northern portion of the subject site was unpaved. This area was mostly covered with parked trucks, most of them owned by Mushroom Express. Several trailers were parked near the northwest corner of this lot. Two large autoclaves were near the north center portion of the subject site, as were piping, metal sheeting and scrap, lumber piles, tires, sheet-metal, and unused storage containers.

At the northeast corner of the subject site property was a separately fenced 1-acre lot. This was occupied by a lawn care company and consisted mostly of vacant, graded land. Piles of soil/gravel and a small bulldozer were also here.

Along the east side of the subject site, behind the buildings, was an unpaved area. A small wooden hut housed a water well and associated equipment. Additional crates, boxes, and packing materials were stored nearby. An aboveground tank was located along the east side of the subject site, in concrete block saddles. This held diesel fuel and was in use. Pavement beneath the tank appeared intact, and a small amount of stained soil was noted alongside the dispenser.

A shed was located immediately south of the aboveground tank; this was inaccessible. On the south side of the shed was a concrete block secondary enclosure holding drums of waste oil. A small water heater associated with a hand washing station adjoined this. Minor staining of PCC pavement near the secondary containment was noted.

On the east end of the southern concrete building was an overhead shade covering a large fruit-packing apparatus, consisting of conveyor belts, chutes, and a cleaning apparatus for fruit (a "dry brush bed"). No liquids or chemicals were observed in association with this operation. Ladders, boxes, and related materials were stored against the east side of the main building, below the packing apparatus.

Typical utilities were observed on or adjacent to the site. These included water, electricity and natural gas, and telephone. Overhead power lines were observed along the Valley Center Road.

The site's electricity/natural gas was provided by San Diego Gas & Electric and the water was provided to the site by the Valley Center Municipal Water District. The subject site was noted to have a septic tank and onsite wastewater disposal system, evidently for sink/toilet wastewater flows only.

It has also been reported that a sump exists at the site in the main corridor between buildings. This was described as a vault without piping, used for collection of runoff for reuse elsewhere on site.

3.2 The Subject Site Subsequent to the October 2007 Fire

Subsequent to the October 2007 fire, the subject site appeared unchanged except for vast fire damage. The center area, where building had been located, comprised piles of concrete and metal rubble and scrap. Some of this was sorted and arranged in organized piles; other areas appeared not to have been sorted.

The southeast corner of the subject site, which had been the location of the towing yard, was still paved, and a number of cars were observed here. Several cars had been completely destroyed by the fires and materials from these vehicles were noted on the pavement. Condition of the pavement appeared relatively intact; no very large cracks or areas where penetrations of automotive contaminants were likely to have seeped through asphalt materials were noted. At the northeast corner of this paved area was the area used as a secondary containment for drums of waste oil. This area had also been damaged by fire, and it appeared that all oily products here had been burnt away. Small, residual amounts of waste oil mixed with water, etc. were observed in drums here.

The aboveground diesel fuel storage tank along the east edge of the subject site was severely damaged. This had exploded in the fire and no fuel remained. An explosion caused by the fire appeared to have blown off the south end-plate of the tank (a horizontal cylinder) and to have moved the entire tank ca. 1.5-feet north of its original location in the concrete saddle. Pavement was noted beneath the associated dispenser; however, areas beneath the tank and within a few feet were unpaved.

The wooden hut/shed structure that had previously surrounded the existing onsite water well had been destroyed; however the main elements of the well and its associated piping appeared undamaged.

On the north side of the subject site, immediately north of the paved area that was the previous location of the onsite buildings, was an area where several large trucks had been parked. These were also seriously damaged in the fire, and the area had dark ash on the ground. The remains of the trucks had been removed, and the top layer of soil appeared to have been raked

over. Small piles of ash and related remnants of the fire were observed in this general area and across the entire site.

4.0 PROPOSED SOIL SAMPLING PROCEDURES AND OBSERVATIONS

4.1 Contaminants of Concern

Soil in the area around the burst diesel fuel tank is suspected of having impact from diesel fuel.

Soil in the area of fire-damaged vehicles parked over an unpaved area is suspected of having impact by petroleum hydrocarbons in the diesel fuel and gasoline ranges and by heavier hydrocarbons, e.g., motor or hydraulic oils.

Soil in the area around the secondary containment area used for waste oil is suspected of having impact from waste oil, i.e., motor or hydraulic oils.

Burn-ash is suspected of containing elevated levels of metals, e.g., heavy metals including copper, zinc, chrome, etc.

Water is suspected of having impact by components of petroleum hydrocarbons, viz., fuels and lubricants. This sample is also to be analyzed for most typical inorganic analytes as listed in Table 64431-A of the California Safe Drinking Water Act & Related Laws and Regulations ², as well as for the VOCs/SOCs listed in Table 64444-A of the same document.

Petroleum products are suspected in any sludge or runoff as may have collected in the sump centrally located between site buildings.

4.2 Proposed Sampling Locations

At each soil sample location, specimens will be taken from near-surface (ca. 0.5-feet deep) and shallow (1-to-2-foot deep) soil. Location selection will be biased by apparent staining or odors or on lowest area. Where no basis for such bias exists, soil samples shall be taken as noted below. A deeper (ca. 3-4-foot) soil sample will be taken at each location if petroleum-product is detected in soil vapor from the 1-to-2-foot deep sample. Sampled materials shall be as follows:

- 1- Soil from the unpaved area alongside a secondary containment structure for waste oil (located along the east side of the subject site, near the northeast corner of the lot previously used by the towing company). If no basis for location selection bias exists, select two locations randomly about one foot from the north and south corners of the containment.
- 2- Soil from unpaved areas beneath and alongside the aboveground storage tank (used for diesel fuel), located near the center of the east side of the subject site. If no basis for location selection bias exists, select three locations at 25-, 50-, and 75-percent points along the area's longest dimension. Samples will be taken from near-surface (ca. 0.5-feet deep) and shallow (1-to-2-foot deep) soil.
- 3- Soil from the unpaved area immediately north of the paved center of the subject site and the previously existing buildings, where several vehicles were destroyed by fire and

² California Regulations Related to Drinking Water, from Title 22 California Code of Regulations, California Safe Drinking Water Act & Related Laws and Regulations:" last updated October 11, 2007.

where ash and darkened soil was observed. Four locations will be selected for shallow (1-to-2-foot deep) samples here. Each will be from a random part of a selected grid element.

- 4- Water from the onsite water production well will be sampled.
- 5- Two composite samples will be taken of burn-ash. One will be taken from several locations on the west side of the subject site, and another will be similarly taken from the east side.
- 6- The sump is to be checked for condition and content. Any liquid or semi-liquid seen in the sump is to be sampled and analyzed for petroleum product content.

4.3 Sampling Equipment and Procedures

Field Equipment

Soil sampling will be performed by use of a hand-held, low-powered soil-drill with a 3-inch diameter auger until the target depth is reached. A 2-inch diameter hand-auger will also be available on the site. A slide-hammer driven sampler with a removable stainless steel liner will be used to acquire the samples. A spade and several new trowels will be on hand at the site. Quart-sized polyethylene bags with zipper-locked closures will be on hand for further enclosing samples and for the onsite soil vapor assessment.

A flame- or photo-ionization detector shall be used to screen vapor assessment samples noted above.

Burn-ash will be sampled by grabbing material directly from paved or unpaved surfaces. Only glass jars (ca. 200-ml) will be necessary for this work.

Water sampling will be done directly from the onsite well using a portable power supply (if/as necessary) and glass bottles and vials provided by the laboratory. Portable, hand-held meters for temperature, conductivity, and pH are to be on hand.

Field Methods and QC/QA

The soil sampling will involve drilling to target depths by use of a hand-held, powered soil-drill. A slide-hammer will be used to drive a soil sampling device with a removable stainless steel liner to acquire the samples. Polyethylene caps will be placed on the sample liner, which will then serve as the sample container.

Soil sample tubes or jars will then be closed by Teflon sheet stretched across the sampler's open end and held in place by threaded, polyethylene caps. In the event soils are too non-cohesive, the hole shall be enlarged as needed (e.g., by a spade) and undisturbed soil shall be cut from the sidewall and moved directly into glass jars (ca. 200-ml). At locations for deeper samples, additional soil shall be taken by the sampling device into a bag for onsite vapor assessment; where this is deemed to indicate significant impact at depth, drilling/sampling will be attempted at greater (ca. 3-4-feet) depth.

The procedure for head space sampling shall be as follows:

1. Obtain soil to fill a quart-sized plastic bag about 1-inch deep across its bottom fold.
2. Close the bag with deliberate attempt to include ambient air.
3. Break up the sample under hand pressure, through the bag material.
4. Wait 1- to 2-minutes and insert the probe of the vapor detector.
5. Record the level indicated.

The burn-ash sampling will be performed by scooping burn-ash residues from paved and unpaved surfaces using a clean sheet of new paper. Samples will be placed in glass jars (ca. 200-ml). Two composite samples will be taken, each from at least three separate areas. One will be made up of material taken from the east side of the site, and another from material taken from the west side.

Prior to sampling of the onsite groundwater well a portable, electric depth-measuring device shall be used to sound the well depth. Sampling shall be by directly holding an open sampling vessels beneath the adjoining open valve. The well will be run for at least 5-minutes prior to sampling to ensure purging of water in the well and that the sample is representative of water in the soil formation. Two water specimens will be taken. The site owner has been instructed not to run the well, to allow valid pre- and post-purge samplings.

The procedure for well sampling shall be as follows:

1. Sound the well for groundwater depth.
2. Note the time, and energize well pump with completely open-pipe flow. Immediately take a pre-purge sample.
3. Note temperature, conductivity, and pH.
4. Well-purging: A 5-gallon graduated bucket and a watch shall be used to assess the well pump flow rate with hose attached for disposal of pumped water to an onsite septic system. Water in excess of three-times the well volume³ (87-gallons) shall be purged from the well. During this flow, temperature, conductivity, and pH shall be recorded to start and every five minutes.
5. Take a sample of post-purge groundwater. Again check temperature, conductivity, and pH, to verify these parameters are not changing by more than 10-percent of the scale reading.

Sampling of liquids or sludges in the sump shall be by dipping 40-ml vials into the vault contents; in the event its depth is too small for dipping, the contents shall be scooped by a new trowel.

All efforts will be made to limit release of volatile chemicals from the samples by filling the sample container with minimal headspace and by sealing the samples quickly and tightly, using plastic caps. Groundwater samples will be taken by use of 40-mL vials. Again all efforts will be made to limit release of volatile chemicals from the samples by filling the sample container with

³ The well volume has been over-estimated based on 10-inch diameter and 70-foot depth (without subtracting for volume of pumps, pipes, etc.) as follows: $(10/12)^2 \times \pi/4 \times 70 \times 7.48\text{gal/cf} = 29\text{-gallons}$.

minimal headspace and by sealing the samples quickly and tightly, using plastic caps. The composite sample will be taken in a large (1-gallon) polyethylene bag with zippered closure. Ash will be massaged into homogeneity and a composite sample transferred to a 4-oz. glass jar.

The scope of environmental risk at the site is not deemed to warrant additional expense for duplicate samples and field blanks.

Sample Labeling/Documentation

Samples will be immediately identified on labels to be on the sample container and further secured by placement into polyethylene bags with zip-locking closures.

Logbook Maintenance

A logbook will be kept at the site, and entries will include time, location, and observations of all material events during the course of the field work.

Containers/preservatives, etc.

Soil and burn ash containers will be as described above, under Field Methods and QC/QA. Containers for sampling groundwater, and preservative measures, detection limits, and holding times will be as listed in Appendix IV. All samples will be individually labeled and put into individual protective polyethylene bags with zip-locked closure; following this, each will be immediately placed within an insulated and iced cooler. Samples will be delivered by *Golden State Overnight* courier service without delay to the laboratory.

American Scientific Laboratory will be used for analysis; its certification is provided as Appendix III.

4.4 Proposed Laboratory Analyses

Soil samples from the area with the burst diesel fuel tank will be analyzed for "total petroleum hydrocarbons" in the diesel fuel range using EPA Method 8015. Soil samples from the unpaved area beneath fire-damaged parked vehicles will be analyzed for "total petroleum hydrocarbons" in both gasoline and diesel fuel ranges using EPA Method 8015. Soil in the area around the waste oil storage containment would be analyzed for "total recoverable petroleum hydrocarbons" using EPA Method 418.1.

Burn-ash will be analyzed for metallic content using the sweep of TTLC-CCR Title 22 Metals (formerly the CAM 17 metals sweep), including the elements, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Ti, V, and Zn).

Groundwater will be analyzed for impact by petroleum hydrocarbons in fuel using the examinations, "total petroleum hydrocarbons" EPA Method 8015 (to include both diesel fuel and gasoline ranges), "total recoverable petroleum hydrocarbons" EPA Method 418.1 (to include hydraulic and lubricating oils), "BETX", for benzene, toluene, ethylbenzene, xylene, oxygenates, and other gasoline constituents/solvents EPA Method 8260. This sample is also to be analyzed for typical inorganic analytes as listed in Table 64431-A of the California Safe Drinking Water

Act & Related Laws and Regulations ⁴, as well as for the VOCs/SOCs listed in Table 64444-A of the same document. Total lead shall also be analyzed.

Containers to be used and holding times and detection limits involved with the analyses are described in the table attached as Appendix IV. The laboratory's pre-printed chain-of-custody form shall be used, with sample numbers, sample container, specified analyses, and signature spaces for personnel accepting or relinquishing custody of the specimens.

4.5 On-site Wastewater Disposal System Assessment

A local contractor with experience in septic system forensics will be retained to map out the percolation systems including septic tanks, "tight" lines, and percolation lines. These will be flagged in the field, and rough-surveyed so that they can be drawn onto a site plan.

⁴ California Regulations Related to Drinking Water, from Title 22 California Code of Regulations, California Safe Drinking Water Act & Related Laws and Regulations:" last updated October 11, 2007.

APPENDIX I MAP OF SUBJECT SITE (HIGHLIGHTING AREAS OF INTEREST)



Photo Source: Google Earth 2007 Edition
(from photograph prior to 2007 fire)



APPENDIX II SUBJECT SITE PHOTOGRAPHS



Overview of center of subject site, (previous location of onsite buildings).



Another view of remaining structural elements near entrance to subject site, including covers reported as for a septic system.

APPENDIX II SITE PHOTOGRAPHS, continued



Piles of sorted rubble near center of subject site.



Unsorted materials present onsite.

APPENDIX II SITE PHOTOGRAPHS, continued



Northeast corner of paved area previously used by tow yard, including burnt truck and concrete block secondary waste oil enclosure.



Drums concrete block secondary containment, (some residual waste oil/water-sludge remaining in drums).

APPENDIX II SITE PHOTOGRAPHS, continued



Paved and unpaved surfaces near fire-damaged secondary enclosure.



Aboveground diesel tank and dispenser, (far end burst in 2007 fire).

APPENDIX II SITE PHOTOGRAPHS, continued



South end of diesel tank, burst off in fire, ash and debris in partially paved area.



North end of diesel-fuel tank, associated piping which bent and displaced from bursting of far end (not shown).

APPENDIX II SITE PHOTOGRAPHS, continued



Dispenser and pump near north end of tank.



Rubble and debris surrounding exterior remains of onsite groundwater well.

APPENDIX II SITE PHOTOGRAPHS, continued



Exterior casing and fixtures of groundwater well.



Area on north end of site, where vehicles burned over unpaved area.

APPENDIX II SITE PHOTOGRAPHS, continued



Darkened soil and ash where debris from unpaved area where vehicles burned.

APPENDIX III LABORATORY CERTIFICATION DOCUMENT

Follows this page.



STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

ENVIRONMENTAL LABORATORY CERTIFICATION

Is hereby granted to

AMERICAN SCIENTIFIC LABORATORIES, LLC

2520 N SAN FERNANDO ROAD
LOS ANGELES, CA 90065

Scope of certification is limited to the
"Accredited Fields of Testing"
which accompanies this Certificate.

Continued certification status depends on successful completion of site visit,
proficiency testing studies, and payment of applicable fees.

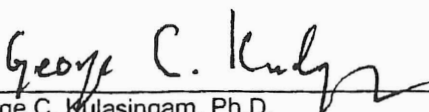
This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2200**

Expiration Date: **01/31/2009**

Effective Date: **01/01/2007**

Richmond, California
subject to forfeiture or revocation


George C. Kulasingam, Ph.D.
Program Chief
Environmental Laboratory Accreditation Program



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

JAMES F. STAHL
Chief Engineer and General Manager

March 12, 2003
Laboratory I.D. No. 10223

Rojert G. Araghi
Laboratory Director
American Scientific Laboratories, LLC
2520 North San Fernando Road
Los Angeles, California 90065

Dear Mr. Araghi:

The County Sanitation Districts of Los Angeles County (Districts) *Wastewater Ordinance* specifies that all required industrial wastewater analyses be performed by a California State Certified laboratory or by a laboratory approved by the Sanitation Districts.

The Districts recognize your revised certification as an Environmental Laboratory by the State of California Department of Health Services and will accept the sample results for those analyses which you are certified to perform. The laboratory identification number appearing on this letter must be included on all analysis reports submitted to the Districts.

Continued recognition of your certification shall be maintained by periodic satisfactory completion of performance sample analyses, compliance with Districts' requirements and an adequate rating on any future visits by Districts' personnel. Please notify the District upon any changes of name, address, telephone number, or supervisory personnel.

If you have any questions regarding this laboratory approval, please contact David B. Whipple of the Sanitation Districts' Industrial Waste Section at extension 2909.

Very truly yours,

James F. Stahl

Linda M. Shadler
Supervising Civil Engineer
Industrial Waste Section

LMS:DBW:dfd
Docs: 209260

APPENDIX IV SCHEDULE FOR SAMPLE CONTAINERS, HOLDING TIMES, AND DETECTIN LIMITS

Follows this page.

**Chemical Analyses per EPA Table 64431-1, Detection Limits
"inorganic chemicals"**

analyte	EPA Method	detection limit
aluminum	200.8	0.19-µg/L (MDL)
antimony	200.8	0.0080-µg/L (MDL)
arsenic	200.8	0.014-µg/L (MDL)
asbestos	100.2	7 MFL
barium	200.8	0.024-µg/L (MDL)
beryllium	200.8	0.022-µg/L (MDL)
cadmium	200.8	0.013-µg/L (MDL)
chromium	200.8	0.012-µg/L (MDL)
cyanide	sm4500- CN- E	0.02 mg/L (MDL)
fluoride	300	0.013-mg/L (MDL)
mercury	245.1/245.2/7470a/7471a	0.1 ug/L(MDL)
nickel	200.8	0.011 µg/L (MDL)
nitrate (as NO3)	300	0.007 mg/L
nitrate+nitrite (sum as nitrogen)	300	0.012 mg/L
nitrite (as nitrogen)	300	0.0052-µg/L (MDL)
perchlorate	314	0.45-µg/L (MDL)
selenium	200.8	0.017-µg/L (MDL)
thallium	200.8	0.020-µg/L (MDL)
added analysis: lead	200.8	0.017-µg/L (MDL)

Chemical Analyses per EPA Table 64444-A**"organic chemicals"****volatile organic chemicals (VOCs)**

analyte	EPA Method	detection limit (MDL)
benzene	524.2	0.090-µg/L
carbon tetrachloride	524.2	0.14µg/L
1,2-dichlorobenzene	524.2	0.090µg/L
1,4-dichlorobenzene	524.2	0.11-µg/L
1,1-dichloroethane	524.2	0.090-µg/L
1,2-dichloroethane	524.2	0.080-µg/L
1,1-dichloroethylene	524.2	0.080-µg/L
cis-1,2-dichloroethylene	524.2	0.080-µg/L
trans-1,2-dichloroethylene	524.2	0.090-µg/L
dichloromethane	524.2	0.090-µg/L
1,2-dichloropropane	524.2	0.030-µg/L
1,3-dichloropropene	524.2	0.050-µg/L
ethylbenzene	524.2	0.13-µg/L
methyl-tert-butyl ether	524.2	0.060-µg/L
monochlorobenzene	524.2	0.090-µg/L
styrene	524.2	0.10-µg/L
1,1,2,2-tetrachloroethane	524.2	0.090-µg/L
tetrachloroethylene	524.2	0.080-µg/L
toluene	524.2	0.080-µg/L
1,2,4-trichlorobenzene	524.2	0.11-µg/L
1,1,1-trichloroethane	524.2	0.090-µg/L
1,1,2-trichloroethane	524.2	0.050-µg/L
trichloroethylene	524.2	0.10-µg/L
trichlorofluoromethane	524.2	0.080-µg/L
1,1,2-trichloro-1,2,2-trifluoroethane	524.2	0.090-µg/L
vinyl chloride	524.2	0.080-µg/L
xylenes	524.2	0.29-µg/L

non-volatile synthetic organic chemicals (SOCs)

analyte	EPA Method	detection limit(MDL)
alachlor	525.2	0.070 ug/L
atrazine	525.2	0.047 ug/L
bentazon	515.3	0.23 ug/L
benzo(a)pyrene	525.2	0.073-µg/L
carbofuran	531.1	0.63-µg/L
chlordane	508	0.045-µg/L
2,4-D	515.3	0.050 -µg/L
dalapon	515.3	0.040-µg/L
dibromochloropropane	504.1	0.0030-µg/L
Bis(2-ethyl-hexyl)adipate	525.2	0.23-µg/L
Bis(2-ethylhexyl)phthalate	525.2	0.51-µg/L
Dinoseb	515.3	0.050-µg/L
Diquat	549.2	3.9-µg/L
endothal	548.1	5.6-µg/L
endrin	508	0.0060-µg/L
ethylene dibromide	504.1	0.0070-µg/L
glyphosate	547	1.7-µg/L
heptachlor	508	0.0059-µg/L
heptachlor epoxide	508	0.0046-µg/L
hexachlorobenzene	508	0.0050-µg/L
hexachlorocyclopentadiene	508	0.019-µg/L
lindane	508	0.0044-µg/L
methoxychlor	508	0.0076-µg/L
molinate	507	0.051-µg/L
oxamyl	531.1	0.57-µg/L
pentachlorophenol	515.3	0.020-µg/L
picloram	515.3	0.34-µg/L
polychlorinated biphenyls	508	0.045-0.084-µg/L
simazine	507	0.25-µg/L
thiobencarb	507	0.37-µg/L
toxaphene	508	0.23-µg/L
2,3,7,8-TCDD (dioxin)	1613b	0.10-pg/L
2,4,5-TP (silvex)	515.3	0.020-µg/L

EPA Methods to be Used

Required Containers type and size, holding times, preservatives

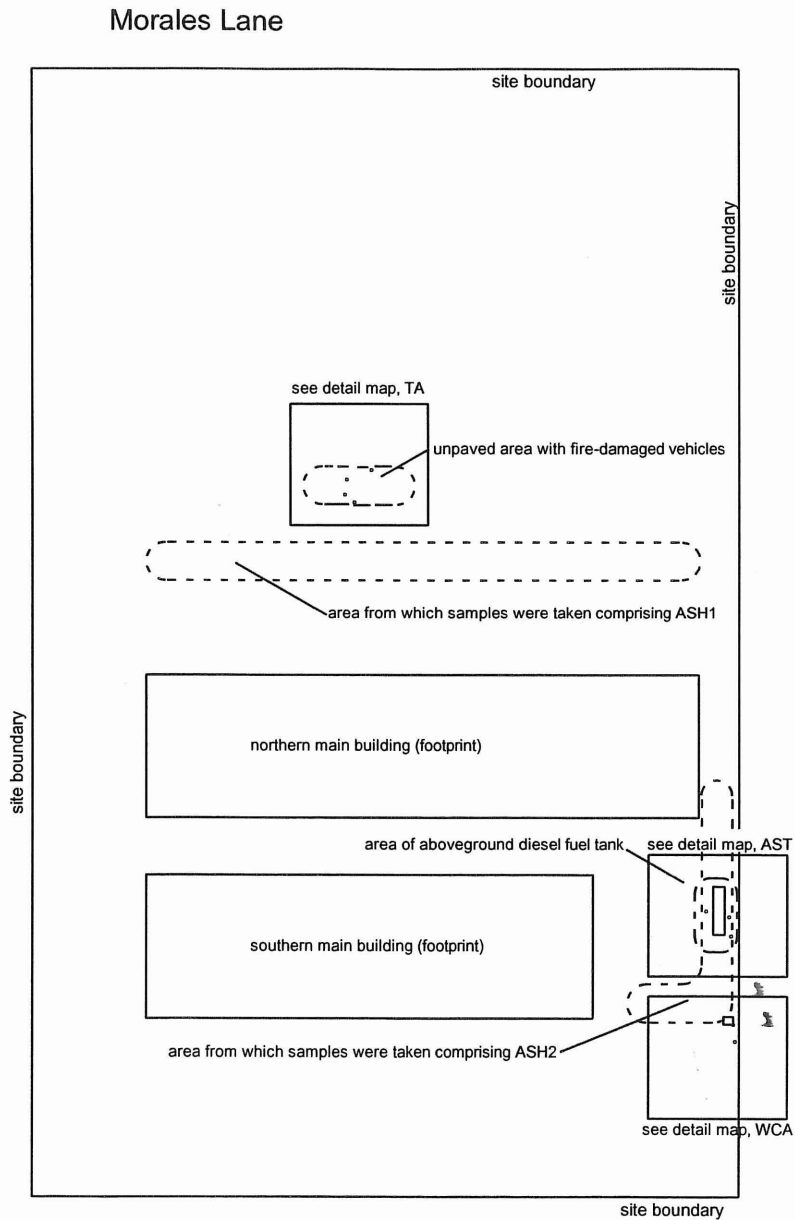
EPA Method	description	cont. type	cont. size	max. holding time	preservative
200.8/245.1	Al, Sb, As, Ba, Be, Cd, Cr, Hg, Ni, Se, Pb, Ti	plastic bottle	500-mL	Hg, 28 days; others, 6 months	HNO ₃
100.2	asbestos	plastic bottle	1-liter	48 Hours	Cool 4 deg C
4500-CN-E	total cyanide	glass bottle	500-mL	14 days	NaOH
300	F, NO ₃ , NO ₂	plastic bottle	500-mL	48 Hours	Cool 4 deg C
314	perchlorate	plastic bottle	500-mL	28 days	Cool 4 deg C
524.2	VOCs	glass vial	40-ml (x3)	14 days	HCL
504.1	EDB, DBCP	glass vial	40-mL (x3)	14 days	Cool 4 deg C
508	pesticides, PCBs	amber glass bottle	1-liter (x2)	7 days	Cool 4 deg C
515.3	chlorinated herbicides	amber glass bottle	500-mL	14 days	Cool 4 deg C
525.2-507 full list	triazines	amber glass bottle	1-liter (2)	14 days	HC L
525.2	SVOCs	amber glass bottle	1-liter (2)	14 days	HCL
531.1	carbarnates	glass vial	40-ml (x3)	28 days	Cool 4 deg C
547	glyphosate	glass vial	40-ml (x3)	14 days	Cool 4 deg C
548.1	endothall	amber glass bottle	500-mL	7 days	Cool 4 deg C
549.2	diquat	plastic bottle	1-liter	7 days	Cool 4 deg C
8015 -d	TPH-diesel range	steel samp. cyl.	ca. 20-mL	7-prep, 14-days ana	Cool 4 deg C
418.1	TRPH	steel samp. cyl.	ca. 20-mL	same	Cool 4 deg C
CCR tit22mets	title 22 metals	glass jar	250-mL	28, 6mo.	Cool 4 deg C
8015 -d, -g	TPH- full range	steel samp. cyl.	ca. 20-mL	same	Cool 4 deg C
1613b	dioxins (2,3,7,8-TCDD)	amber glass bottle	1-liter	28-days	Cool 4 deg C

APPENDIX II SAMPLE SCHEMATIC/S

Follows this sheet.

↑
N
1-inch = 100-feet

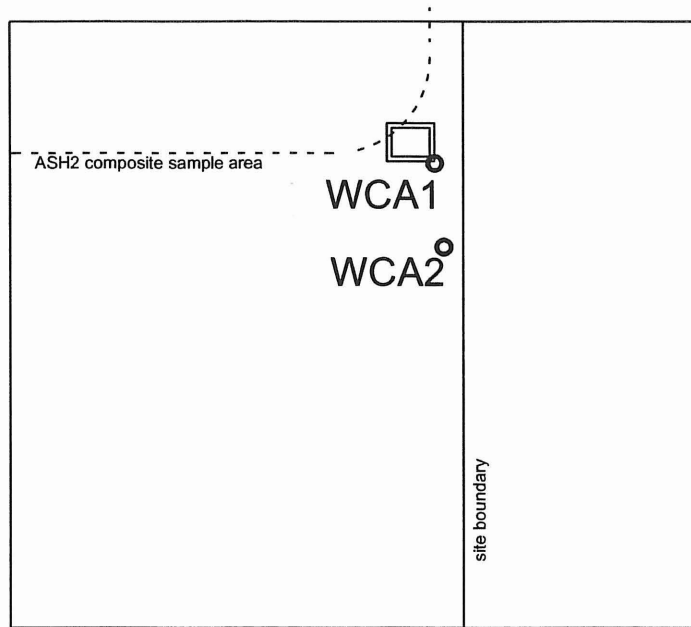
Valley Center Road



Sample locations, Phase II at 33777 Valley Center Road
overall site, index to detail sheets



1-inch = 20-feet

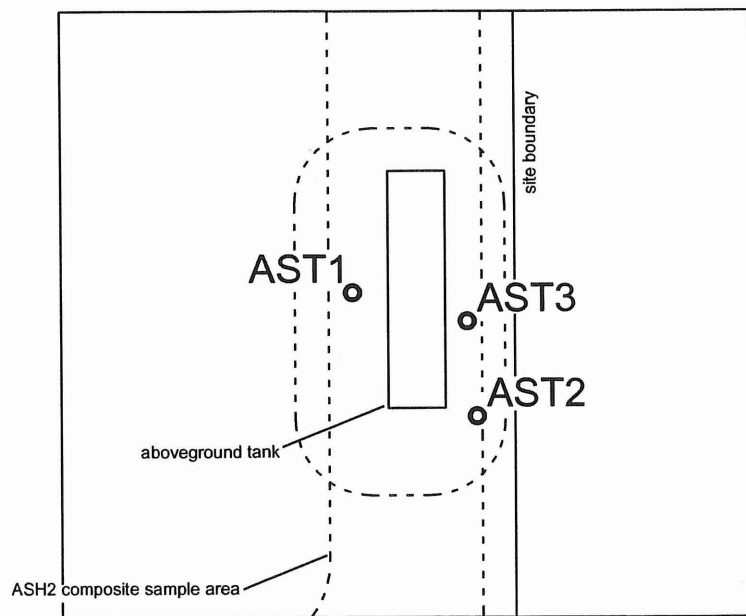


generally paved area with waste oil containment

Sample locations, Phase II at 33777 Valley Center Road
detail sheet WCA



1-inch = 20-feet

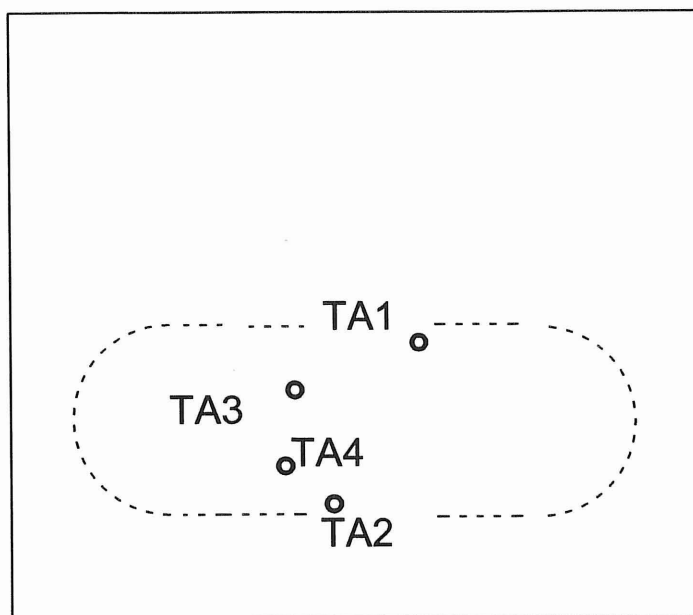


area of aboveground diesel fuel tank

Sample locations, Phase II at 33777 Valley Center Road
detail sheet AST



1-inch = 20-feet

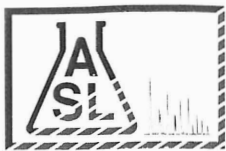


unpaved area with fire-damaged vehicles

Sample locations, Phase II at 33777 Valley Center Road
detail sheet, TA

APPENDIX III LABORATORY RESULTS

Follows this sheet.



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Marc Boogay Consulting Engineer
326 Main St.
Vista, CA 92084-

Number of Pages 17

Date Received 06/17/2008

Date Reported 06/24/2008

Telephone (760) 407-4000

Attn Marc Boogay

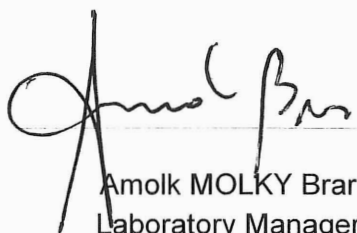
Job Number	Ordered	Client
38232	06/17/2008	BOOGAY

Project ID: 08-0311A

Project Name: Valley 33777

Site: 33777 Valley Center Road

Enclosed are the results of analyses on 53 samples analyzed as specified on attached chain of custody.


Amolk MOLKY Brar
Laboratory Manager


Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Road, L.A. CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# N^o 46565 GLOBAL ID _____ EREPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 38232

Company: Marc Boogay Consulting		Project Name: Valley 33777		Report To: MBCE		ANALYSIS REQUESTED	
Address: 326 Main Street		Site Address: 33777 Valley Center CA		Address:			
Vista, CA 92084				Invoice To: MBCE			
Telephone: 760-407-4006				Address:			
Fax: 760-407-4004							
Special Instruction:		Project ID: 08-0311					
E-mail: marc@boogay.com		Project Manager: Marc Boogay		P.O.#:			
SAMPLE DESCRIPTION				Matrix		Preservation	
I T E M		Sample ID	Date	Time (am)	#	Type	Container(s)
1	219968	BP-1	6/14/08	9:33	1	plastic bottle	
2	219969	BP-2 a/b		9:34	2	amber glass bottle	
3	219970	BP-3 a/b		9:35	2	amber glass bottle	
4	219971	BP-4		9:38	1	amber glass bottle	
5	219972	BP-5 a/b		9:39	2	amber glass bottle	
6	219973	BP-6		9:41	1	amber glass bottle	
7	219974	BP-7		9:42	1	amber glass bottle	
8	219975	BP-8		9:44	1	plastic bottle	
9	219976	BP-9		9:45	1	plastic bottle	
10	219977	BP-10		9:47	1	plastic bottle	
Collected By: MBCE				Date: 6/14/08		Time: 9:00	
Relinquished By: MBCE				Date: 6/16/08		Time: noon	
Received By: Gordon Stube				Date: 6/16/08		Time: noon	
Relinquished By: Janet Chun				Date: 6/17/08		Time: 11:00	
Received By: Condition of Sample:				Date:		Time:	
TAT				Date		Time	
Normal <input checked="" type="checkbox"/>				Date		Time	
Rush <input type="checkbox"/>				Date		Time	



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COC# Nº 46564 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 38232

Company: <u>Marc Boogay Consulting Eng.</u>						Report To: <u>MBCE</u>						ANALYSIS REQUESTED					
Address: <u>326 Main St.</u>						Project Name: <u>Valley 33777</u>						Address: <u>MBCE</u>					
Vista CA 92084						Site Address:						Invoice To: <u>MBCE</u>					
Telephone: <u>760-407-4000</u>						Project ID: <u>08-0311a</u>						Address: <u>1</u>					
Fax: <u>760-407-4004</u>						Project Manager: <u>Marc</u>						P.O.#:					
Special Instruction:						E-mail: <u>Marc@boogay.com</u>											

I T E M	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation										Remarks
	Lab ID	Sample ID	Date	Time	#	Type														
11	219978	BP-11	6/14/08	9:47	1	plastic bottle	H ₂ O	HNO ₃	✓											
12	219979	BP-12		9:48	1	plastic bottle	H ₂ O	Ice	✓											
13	219980	BP-13 a/b/c		9:48	3	glass vial		Ice		✓										
14	219981	BP-14 a/b/c		9:49	3	glass vial		Ice			✓									
15	219982	BP-15 a/b/c		9:50	3	glass vial		Ice				✓								
16	219983	BP-16 a/b/c		9:51	3	glass vial		HCL					✓							
17	219984	GW-1		10:17	1	amber glass btl	H ₂ O	Ice							✓					
18	219985	GW-2 a/b		10:19	2	amber glass btl	H ₂ O	HCL								✓				
19	219986	GW-3 a/b		10:21	2	amber glass btl	H ₂ O	Ice									✓			

Collected By: <u>MBCE</u>	Date: <u>6/14/08</u>	Time: <u>see above</u>	Relinquished By:	Date:	Time:	TAT
Relinquished By: <u>MBCE</u>	Date: <u>6/16/08</u>	Time: <u>noon</u>	Received For Laboratory	Date:	Time:	<input checked="" type="checkbox"/> Normal
Received By: <u>Golden State</u>	Date: <u>6/16/08</u>	Time: <u>noon</u>	Condition of Sample:			<input type="checkbox"/> Rush



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COC# N° 46566 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 38232

Company: MRCE				Report To: MRCE		ANALYSIS REQUESTED													
Address: 326 New Street				Address:															
Vista, CA 92084				Invoice To: MRCE															
Telephone: 607-4000				Address:															
Fax: 607-4004																			
Special Instruction:				P.O.#:															
E-mail: marc@boogay.com				Project Manager: Marc															
Project ID: 08-0311a																			
Project Name: Valley 33777																			
Site Address: 33777 Valley Center Rd																			
Container(s)				Matrix		Preservation													
SAMPLE DESCRIPTION				Matrix		Preservation													
Date				Time		Type													
Date				Time		Type													
20	219987	GW-4 a/b	6/11/08	10:23	2	gummed glass btl	H ₂ O	HCL	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
21	219988	GW-5	6/11/08	10:26	1	gummed glass btl		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
22	219989	GW-6	6/11/08	10:28	1	gummed glass btl		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
23	219990	GW-7	6/11/08	10:29	1	plastic bottle		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
24	219991	GW-8	6/11/08	10:30	1	plastic bottle		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
25	219992	GW-9	6/11/08	10:30	1	plastic bottle		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
26	219993	GW-10	6/11/08	10:31	1	plastic bottle		NaOH	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
27	219994	GW-11	6/11/08	10:33	1	plastic bottle		HNO ₃	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
28	219995	GW-12	6/11/08	10:34	1	plastic bottle		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)
29	219996	GW-13 a/b/c	6/11/08	10:35	3	glass vial		ice	✓	525.2 (SVOCs)	515.3 (chlorinated hks)	548.1 (pesticides)	100.2 (pesticides)	549.2 (pesticides)	300 (F, H ₂ O, etc)	4500-A-E (gummed)	200.8/245.1 (methyls)	314 (pesticides)	547 (glyphosate)

Collected By: MRCE	Date: 6/11/08	Time: see above	Relinquished By:	Date:	Time:	TAT
Relinquished By: MRCE	Date: 6/11/08	Time: noon	Received For Laboratory	Date:	Time:	<input checked="" type="checkbox"/> Normal
Received By: Golden State	Date: 6/16/08	Time: noon	Condition of Sample:			<input type="checkbox"/> Rush



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COC# N^o 46567 GLOBAL ID E REPORT: ☒ PDF ☐ EDF ☐ EDD ☐ ASL JOB# 38232

Company: <u>Mase Boogay Consulting Eng.</u>		Report To: <u>MRCE</u>		ANALYSIS REQUESTED	
Address: <u>326 Main St</u>		Project Name: <u>Valley 33777</u>			
Site Address: <u>Vista, CA 92084</u>		Invoice To: <u>MRCE</u>			
Telephone: <u>760-407-4000</u>		Address:			
Fax: <u>760-407-4000</u>		Address:			
Special Instruction: <u> </u>		Project ID: <u>08-0311c</u>			
E-mail: <u>mase@boogay.com</u>		Project Manager: <u>Mase</u>		P.O.#: <u> </u>	
SAMPLE DESCRIPTION				Container(s)	
Sample ID		Date		Time	
Lab ID		#		Type	
LAB USE ONLY					
T					
E					
M					
30 219999		6W-14 4/14c		6/14/08 10:37 3	
31 219998		6W-15 4/14c		6/14/08 10:38 3	
32 219999		6W-16 4/14c		6/14/08 10:39 3	
33 220000		AB-1		6/14/08 10:40 1	
34 220001		WCA-1		6/14/08 11:25 1	
35 220002		WCA-2		6/14/08 11:30 1	
36 220003		WCA-3		6/14/08 11:35 1	
37 220004		WCA-4		6/14/08 11:40 1	
Collected By: <u>MRCE</u>		Date <u>6/14/08</u>		Time <u>see above</u>	
Relinquished By: <u>MRCE</u>		Date <u>6/14/08</u>		Time <u>see above</u>	
Received By: <u>Golden State</u>		Date <u>6/14/08</u>		Time <u>see above</u>	
Relinquished By:				Received For Laboratory	
Condition of Sample:				TAT	
				Normal <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	

531.1 (calculated)
504.1 (ED3, DRCP)
524.2 (VOCs)
525.2 (SVOCs)
418.1 (TRPH)
5015-d-g (TRPH)
D. By 8/20/03



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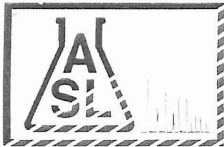
Page 5 of 6

COC# Nº 46569 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 38232

Company: <u>Marc Boogay Consulting Eng.</u>		Report To: <u>MBCE</u>		ANALYSIS REQUESTED	
Address: <u>326 Main</u>		Project Name:		Address:	
Site Address:		Invoice To: <u>MBCE</u>			
Telephone: <u>760-407-4600</u>		Address:			
Fax:					
Special Instruction:		Project ID: <u>08-0311a</u>			
E-mail: <u>marc@boogay.com</u>		Project Manager: <u>Marc</u>		P.O.#:	

I T E M	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation							Remarks
	Lab ID	Sample ID	Date	Time	#	Type											
38	220005	AST-1	6/14/08	12:05	1	steel cyl.	Soil	Ice									
39	220006	AST-2		12:10	1												
40	220007	AST-3		12:15	1												
41	220008	AST-4		12:20	1												
42	220009	AST-5		12:25	1												
43	220010	AST-6		12:30	1												
44	220011	TA-1		12:45	1	steel cyl.	Soil	Ice									
45	220012	TA-2		12:50	1												
46	220013	TA-3		12:55	1												
47	220014	TA-4		1:00	1												

Collected By: <u>MBCE</u>	Date <u>6/14/08</u> Time <u>See above</u>	Relinquished By:	Date	Time	TAT
Relinquished By: <u>MBCE</u>	Date <u>6/16/08</u> Time <u>noon</u>	Received For Laboratory	Date	Time	<input checked="" type="checkbox"/> Normal
Received By: <u>Golden State</u>	Date <u>6/16/08</u> Time <u>noon</u>	Condition of Sample:			<input type="checkbox"/> Rush



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COC# Nº 46568 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 38232

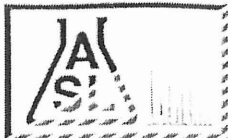
Company: <u>Marc Boogay Consulting Eng.</u>				Report To: <u>MBCE</u>				ANALYSIS REQUESTED											
Address: <u>326 Main</u>				Project Name:				Address:											
				Site Address:				Invoice To: <u>MBCE</u>											
Telephone: <u>760-407-4000</u>								Address:											
Fax:																			
Special Instruction:				Project ID: <u>08-0311a</u>															
E-mail: <u>Marc@boogay.com</u>				Project Manager: <u>Marc</u>				P.O.#:											

I T E M	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation									Remarks
	Lab ID	Sample ID	Date	Time	#	Type													
48	220015	TA-5	6/14/08	1:05	1	Steel cyl.	Soil	Ice	✓										
49	220016	TA-6		1:00	1	↓	↓	↓	✓										
50	220017	TA-7		1:15	1	↓	↓	↓	✓										
51	220018	TA-8		1:20	1	↓	↓	↓	✓										
52	220019	ASH COMP 1 (N)		2:30	1	glass jar	ash/mixed	Ice										✓	
53	220020	ASH COMP 2 (SE)		2:40	1	glass jar	ash/mixed	Ice										✓	

Collected By: <u>MBCE</u>	Date: <u>6/14/08</u> Time: <u>see above</u>	Relinquished By:	Date:	Time:	TAT
Relinquished By: <u>MBCE</u>	Date: <u>6/16/08</u> Time: <u>noon</u>	Received For Laboratory	Date:	Time:	<input checked="" type="checkbox"/> Normal
Received By: <u>Golden State</u>	Date: <u>6/16/08</u> Time: <u>noon</u>	Condition of Sample:			<input type="checkbox"/> Rush

8015-d, -g (TIF, d, g, s, s)

CLR + 12 wets



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ANALYTICAL RESULTS

Ordered By

Marc Boogay Consulting Engineer
326 Main St.
Vista, CA 92084-

Site

33777 Valley Center Road

Telephone: (760)407-4000

Attn: Marc Boogay

Page: 2

Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 418.1, TRPH

QC Batch No: 061908-1

Our Lab I.D.		Method Blank	220001	220002	220003	220004
Client Sample I.D.			WCA-1	WCA-2	WCA-3	WCA-4
Date Sampled			06/14/2008	06/14/2008	06/14/2008	06/14/2008
Date Prepared		06/18/2008	06/18/2008	06/18/2008	06/18/2008	06/18/2008
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		06/19/2008	06/19/2008	06/19/2008	06/19/2008	06/19/2008
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Total Recoverable Petroleum Hydrocarbons	10.0	ND	28.0	ND	ND	15500

QUALITY CONTROL REPORT

QC Batch No: 061908-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Total Recoverable Petroleum Hydrocarbons	99	100	1.0	70-130	15					



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ANALYTICAL RESULTS

Ordered By

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326 Main St.
Vista, CA 92084-

Site

33777 Valley Center Road

Telephone: (760)407-4000

Attn: Marc Boogay

Page: 3

Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: 061908-1D

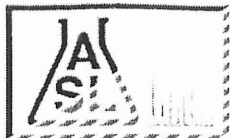
Our Lab I.D.		Method Blank	220006	220007	220008	220010
Client Sample I.D.			AST-2	AST-3	AST-4	AST-6
Date Sampled			06/14/2008	06/14/2008	06/14/2008	06/14/2008
Date Prepared		06/19/2008	06/19/2008	06/19/2008	06/19/2008	06/19/2008
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		06/19/2008	06/19/2008	06/19/2008	06/19/2008	06/19/2008
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.			220006	220007	220008	220010
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	105	87	89	91	79

QUALITY CONTROL REPORT

QC Batch No: 061908-1D

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Diesel	99	99	<1	75-120	<20	105	75-120			



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ANALYTICAL RESULTS

Ordered By

Marc Boogay Consulting Engineer
326 Main St.
Vista, CA 92084-

Site

33777 Valley Center Road

Telephone: (760)407-4000

Attn: Marc Boogay

Page: 4

Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: 061908-1D

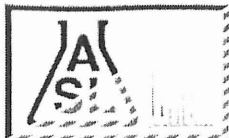
Our Lab I.D.		220012	220013	220014	220015	220016
Client Sample I.D.		TA-2	TA-3	TA-4	TA-5	TA-6
Date Sampled		06/14/2008	06/14/2008	06/14/2008	06/14/2008	06/14/2008
Date Prepared		06/19/2008	06/19/2008	06/19/2008	06/19/2008	06/19/2008
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		06/19/2008	06/19/2008	06/19/2008	06/19/2008	06/19/2008
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		220012	220013	220014	220015	220016
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	82	76	87	84	88

QUALITY CONTROL REPORT

QC Batch No: 061908-1D

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Diesel	99	99	<1	75-120	<20	105	75-120			



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ANALYTICAL RESULTS

Ordered By

Marc Boogay Consulting Engineer
326 Main St.
Vista, CA 92084-

Site

33777 Valley Center Road

Telephone: (760)407-4000

Attn: Marc Boogay

Page: 5

Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: 061908-1D

Our Lab I.D.		220017	220018			
Client Sample I.D.		TA-7	TA-8			
Date Sampled		06/14/2008	06/14/2008			
Date Prepared		06/19/2008	06/19/2008			
Preparation Method		3550B	3550B			
Date Analyzed		06/19/2008	06/19/2008			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		220017	220018			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	88	77			

QUALITY CONTROL REPORT

QC Batch No: 061908-1D

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Diesel	99	99	<1	75-120	<20	105	75-120			



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Marc Boogay Consulting Engineer
326 Main St.
Vista, CA 92084-

Site

33777 Valley Center Road

Telephone: (760)407-4000

Attn: Marc Boogay

Page: 6

Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: 061908-2D

Our Lab I.D.		220005	220009	220011		
Client Sample I.D.		AST-1	AST-5	TA-1		
Date Sampled		06/14/2008	06/14/2008	06/14/2008		
Date Prepared		06/19/2008	06/19/2008	06/19/2008		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		06/20/2008	06/20/2008	06/20/2008		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH DROs (C10 to C28)	10.0	36.6	ND	ND		
TPH OROs (C28+)	50.0	67.6	ND	ND		

Our Lab I.D.		220005	220009	220011		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Chlorobenzene	70-120	78	83	91		

QUALITY CONTROL REPORT

QC Batch No: 061908-2D

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Diesel	100	100	<1	75-120	<20	114	75-120			



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ANALYTICAL RESULTS

Ordered By

Marc Boogay Consulting Engineer
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Vista, CA 92084-

Site

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Telephone: (760)407-4000

Attn: Marc Boogay

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: 062008-1

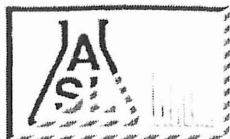
Our Lab I.D.		Method Blank	220011	220012	220015	220017
Client Sample I.D.			TA-1	TA-2	TA-5	TA-7
Date Sampled			06/14/2008	06/14/2008	06/14/2008	06/14/2008
Date Prepared		06/20/2008	06/20/2008	06/20/2008	06/20/2008	06/20/2008
Preparation Method		5030A	5030A	5030A	5030A	5030A
Date Analyzed		06/20/2008	06/20/2008	06/20/2008	06/20/2008	06/20/2008
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.			220011	220012	220015	220017
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	100	89	84	95	101

QUALITY CONTROL REPORT

QC Batch No: 062008-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	98	99	1.0	75-120	<20				
Toluene	92	95	3.2	75-120	<20				



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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: 062008-1

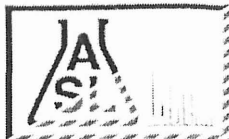
Our Lab I.D.		220018				
Client Sample I.D.		TA-8				
Date Sampled		06/14/2008				
Date Prepared		06/20/2008				
Preparation Method		5030A				
Date Analyzed		06/20/2008				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	PQL	Results				
TPH GROs (C6 to C10)	0.500	ND				

Our Lab I.D.		220018				
Surrogates	% Rec.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	96				

QUALITY CONTROL REPORT

QC Batch No: 062008-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	98	99	1.0	75-120	<20					
Toluene	92	95	3.2	75-120	<20					



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ANALYTICAL RESULTS

Ordered By**Site**

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: 062308-1

Our Lab I.D.		220013	220014	220016		
Client Sample I.D.		TA-3	TA-4	TA-6		
Date Sampled		06/14/2008	06/14/2008	06/14/2008		
Date Prepared		06/23/2008	06/23/2008	06/23/2008		
Preparation Method		5030A	5030A	5030A		
Date Analyzed		06/23/2008	06/23/2008	06/23/2008		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	0.500	ND	ND	ND		

Comment(s):

220014: Low BFB Recoverage due to matrix.

Our Lab I.D.		220013	220014	220016		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	88	61	95		

QUALITY CONTROL REPORT

QC Batch No: 062308-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	85	86	1.2	75-120	<20					
Toluene	82	81	1.2	75-120	<20					



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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061808-1

Our Lab I.D.		Method Blank	220019	220020		
Client Sample I.D.			ASH COMP 1 (N)	ASH COMP 2 (SE)		
Date Sampled			06/14/2008	06/14/2008		
Date Prepared		06/18/2008	06/18/2008	06/18/2008		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		06/18/2008	06/18/2008	06/18/2008		
Matrix		Solid	Solid	Solid		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
AA Metals						
Mercury	0.0500	ND	ND	ND		
ICP Metals						
Antimony	0.500	ND	4.94	13.1		
Arsenic	0.250	ND	0.932	4.44		
Barium	0.500	ND	99.2	138		
Beryllium	0.500	ND	ND	ND		
Cadmium	0.500	ND	1.97	6.80		
Chromium	0.500	ND	20.8	28.9		
Cobalt	0.500	ND	35.1	72.2		
Copper	0.500	ND	155	2840		
Lead	0.250	ND	83.5	79.6		
Molybdenum	0.500	ND	0.923	449		
Nickel	0.500	ND	8.63	28.6		
Selenium	0.500	ND	ND	ND		
Silver	0.500	ND	ND	ND		
Thallium	0.500	ND	ND	ND		
Vanadium	0.500	ND	27.6	19.5		
Zinc	0.500	ND	2700	10400		

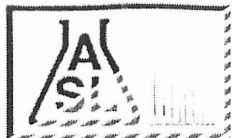
Comment(s):

Zn MS/MSD outside % Limit; LCS within Limit

QUALITY CONTROL REPORT

QC Batch No: 061808-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
AA Metals										
Mercury	101	102	<1	70-130	30	98	80-120			



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ANALYTICAL RESULTS

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 061808-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
ICP Metals										
Antimony	94	99	5.6	70-130	30	100	80-120			
Arsenic	94	100	5.9	70-130	30	101	80-120			
Barium	102	106	3.8	70-130	30	107	80-120			
Beryllium	104	109	4.7	70-130	30	107	80-120			
Cadmium	98	103	4.9	70-130	30	101	80-120			
Chromium	97	103	5.6	70-130	30	102	80-120			
Cobalt	95	101	6.6	70-130	30	104	80-120			
Copper	101	109	7.6	70-130	30	105	80-120			
Lead	89	95	6.5	70-130	30	101	80-120			
Molybdenum	100	105	5.1	70-130	30	103	80-120			
Nickel	97	103	6.1	70-130	30	105	80-120			
Selenium	94	98	4.1	70-130	30	100	80-120			
Silver	79	83	4.4	70-130	30	89	80-120			
Thallium	93	99	5.6	70-130	30	100	80-120			
Vanadium	97	103	6.1	70-130	30	100	80-120			
Zinc	60	60	<1	70-130	30	110	80-120			



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ANALYTICAL RESULTS

Ordered By

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Attn: Marc Boogay

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 300, Fluoride by Ion Chromatography

QC Batch No: 061708-1

Our Lab I.D.		Method Blank	219976	219992		
Client Sample I.D.			BP-9	GW-9		
Date Sampled			06/14/2008	06/14/2008		
Date Prepared		06/17/2008	06/17/2008	06/17/2008		
Preparation Method						
Date Analyzed		06/17/2008	06/17/2008	06/17/2008		
Matrix		Water	Water	Water		
Units		mg/L	mg/L	mg/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Conventionals						
Fluoride	0.100	ND	0.310	0.320		

QUALITY CONTROL REPORT

QC Batch No: 061708-1

	MS	MS DUP	RPD	LCS	LCS/LCSD					
Analytes	% REC	% REC	%	% REC	% Limit					
Conventionals										
Fluoride	104	94	10.1	98	80-120					



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ANALYTICAL RESULTS

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 300, Nitrate/Nitrite by Ion Chromatography

QC Batch No: 061708-1

Our Lab I.D.		Method Blank	219976	219992		
Client Sample I.D.			BP-9	GW-9		
Date Sampled			06/14/2008	06/14/2008		
Date Prepared		06/17/2008	06/17/2008	06/17/2008		
Preparation Method						
Date Analyzed		06/17/2008	06/17/2008	06/17/2008		
Matrix		Water	Water	Water		
Units		mg/L	mg/L	mg/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Conventionals						
Nitrate as N	0.100	ND	1.84	3.19		
Nitrite as N	0.0500	ND	0.170	ND		

QUALITY CONTROL REPORT

QC Batch No: 061708-1

Analytes	MS % REC	MS DUP % REC	RPD %	LCS % REC	LCS/LCSD % Limit					
Conventionals										
Nitrate as N	103	103	<1	98	80-120					
Nitrite as N	112	106	5.5	101	80-120					



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ANALYTICAL RESULTS

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Project ID: 08-0311A

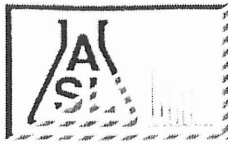
Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8260B, Volatile Organic Compounds

QC Batch No: 061908-2B

Our Lab I.D.		Method Blank	220000		
Client Sample I.D.			AB-1		
Date Sampled			06/14/2008		
Date Prepared		06/20/2008	06/20/2008		
Preparation Method		5030B	5030B		
Date Analyzed		06/20/2008	06/20/2008		
Matrix		Water	Water		
Units		ug/L	ug/L		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
Acetone	5.00	ND	ND		
Benzene	1.00	ND	ND		
Bromobenzene (Phenyl bromide)	1.00	ND	ND		
Bromochloromethane (Chlorobromomethane)	1.00	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND		
Bromoform (Tribromomethane)	5.00	ND	ND		
Bromomethane (Methyl bromide)	3.00	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND		
n-Butylbenzene	1.00	ND	ND		
sec-Butylbenzene	1.00	ND	ND		
tert-Butylbenzene	1.00	ND	ND		
Carbon disulfide	1.00	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND		
Chlorobenzene	1.00	ND	ND		
Chloroethane	3.00	ND	ND		
2-Chloroethyl vinyl ether	5.00	ND	ND		
Chloroform (Trichloromethane)	1.00	ND	ND		
Chloromethane (Methyl chloride)	3.00	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND		
Dibromochloromethane	1.00	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND		
Dibromomethane	1.00	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND		
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND		
Dichlorodifluoromethane	3.00	ND	ND		
1,1-Dichloroethane	1.00	ND	ND		



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ANALYTICAL RESULTS

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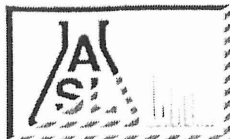
Project ID: 08-0311A
Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8260B, Volatile Organic Compounds

QC Batch No: 061908-2B

Our Lab I.D.		Method Blank	220000		
Client Sample I.D.			AB-1		
Date Sampled			06/14/2008		
Date Prepared		06/20/2008	06/20/2008		
Preparation Method		5030B	5030B		
Date Analyzed		06/20/2008	06/20/2008		
Matrix		Water	Water		
Units		ug/L	ug/L		
Dilution Factor		1	1		
Analytes	PQL	Results	Results		
1,2-Dichloroethane	1.00	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND		
cis-1,2-Dichloroethene	1.00	ND	ND		
trans-1,2-Dichloroethene	1.00	ND	ND		
1,2-Dichloropropane	1.00	ND	ND		
1,3-Dichloropropane	1.00	ND	ND		
2,2-Dichloropropane	1.00	ND	ND		
1,1-Dichloropropene	1.00	ND	ND		
cis-1,3-Dichloropropene	1.00	ND	ND		
trans-1,3-Dichloropropene	1.00	ND	ND		
Ethylbenzene	1.00	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND		
2-Hexanone	5.00	ND	ND		
Isopropylbenzene	1.00	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND		
MTBE	2.00	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND		
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND		
Naphthalene	1.00	ND	ND		
n-Propylbenzene	1.00	ND	ND		
Styrene	1.00	ND	ND		
1,1,1,2-Tetrachloroethane	1.00	ND	ND		
1,1,2,2-Tetrachloroethane	1.00	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	1.00	ND	ND		
Toluene (Methyl benzene)	1.00	ND	ND		
1,2,3-Trichlorobenzene	1.00	ND	ND		
1,2,4-Trichlorobenzene	1.00	ND	ND		
1,1,1-Trichloroethane	1.00	ND	ND		
1,1,2-Trichloroethane	1.00	ND	ND		
Trichloroethene (TCE)	1.00	ND	ND		
Trichlorofluoromethane	1.00	ND	ND		
1,2,3-Trichloropropane	1.00	ND	ND		
1,2,4-Trimethylbenzene	1.00	ND	ND		
1,3,5-Trimethylbenzene	1.00	ND	ND		
Vinyl acetate	5.00	ND	ND		



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ANALYTICAL RESULTS

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: 8260B, Volatile Organic Compounds

QC Batch No: 061908-2B

Our Lab I.D.		Method Blank	220000			
Client Sample I.D.			AB-1			
Date Sampled			06/14/2008			
Date Prepared		06/20/2008	06/20/2008			
Preparation Method		5030B	5030B			
Date Analyzed		06/20/2008	06/20/2008			
Matrix		Water	Water			
Units		ug/L	ug/L			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
Vinyl chloride (Chloroethene)	3.00	ND	ND			
o-Xylene	1.00	ND	ND			
m- & p-Xylenes	2.00	ND	ND			

Our Lab I.D.			220000			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	94	96			
Dibromofluoromethane	70-120	112	98			
Toluene-d8	70-120	99	94			

QUALITY CONTROL REPORT

QC Batch No: 061908-2B

	MS	MS DUP	RPD	MS/MSD	MS RPD	LCS				
Analytes	% REC	% REC	%	% Limit	% Limit	% REC				
Benzene	112	118	5.2	75-120	15	93				
Chlorobenzene	116	105	10.0	75-120	15	86				
1,1-Dichloroethene (1,1-Dichloroethylene)	95	102	7.1	75-120	15	114				
MTBE	93	98	5.2	75-120	15	111				
Toluene (Methyl benzene)	104	114	9.2	75-120	15	86				
Trichloroethene (TCE)	101	106	4.8	75-120	15	89				



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

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Telephone: (760)407-4000

Attn: Marc Boogay

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Project ID: 08-0311A

Project Name: Valley 33777

ASL Job Number	Submitted	Client
38232	06/17/2008	BOOGAY

Method: SM4500-CN-E, Cyanide, Total (Colorimetric Method)

QC Batch No: 061908-1

Our Lab I.D.		Method Blank	219977	219993		
Client Sample I.D.			BP-10	GW-10		
Date Sampled			06/14/2008	06/14/2008		
Date Prepared		06/19/2008	06/19/2008	06/19/2008		
Preparation Method						
Date Analyzed		06/19/2008	06/19/2008	06/19/2008		
Matrix		Water	Water	Water		
Units		mg/L	mg/L	mg/L		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Conventionals						
Cyanide	0.0500	ND	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 061908-1

	MS	MS DUP	RPD	LCS	LCS/LCSD					
Analytes	% REC	% REC	%	% REC	% Limit					
Conventionals										
Cyanide	90	91	1.1	94	80-120					

DATE: June 25, 2008

Page 1 of 13

CLIENT: American Scientific
2520 N. San Fernando Rd.
Los Angeles, CA 90065

ATTENTION: Molky Brar

REFERENCE: 38232

REPORT NO: 121888

SUBJECT: ANALYSIS OF WATER SAMPLE FOR ASBESTOS BY TEM

ACCREDITED: California Department of Health Services (ELAP-1119)

Samples were UV-ozone treated to remove any microbial contamination as prescribed by the method since the samples arrived after the 48-hour holding time.

The date and times of collection, receipt, ozonation, filtration, and analysis are as follows:

SAMPLE NO.: 219968, 219990

COLLECTED: 6/14/08 00:00

RECEIVED: 6/17/08 at 1540

OZONATED: 6/18/08 0600-0900

FILTERED: 6/18/08 at 0925, 0930

ANALYZED: 6/24/08

The samples were analyzed for fibers $>10\mu\text{m}$ in length to conform with the drinking water document, EPA 600 94 134, 100.2. This regulation calls for an MCL (maximum contaminant level) of 7 MFL and an analytical sensitivity level of 0.2 MFL.

No asbestos structures $>10\mu\text{m}$ in length were detected. The analytical sensitivity of 0.2 MFL was reached.

The results of the analyses and the detection limits are summarized on the following pages.

Respectfully submitted,
EMS LABORATORIES, INC.


B. M. Kolk
Laboratory Director

BMK/ah

NOTE: The results of the analysis are based upon the samples submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

This report, from a NIST laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter, the samples were received properly packaged, clearly identified and intact.

SUBMITTAL FORM/Laboratory Services

121888

PAGE 1 OF 1

TURNAROUND TIME: STD ☒ 48 HR. ☐ 24 HR.

<8 HR. ☐ WKND ☐ OTHER: ☐

RELINQUISHED BY Burt R

TIME / DATE 3:34 6-17-08

CLIENT American Scientific Labs.

DATE OF SHIPMENT ☐ CARRIER ☐

ADDRESS 2520 N. San Fernando Road

CLIENT P.O. NO. A

L.A CA 90065

CLIENT JOB/PROJECT ID NO(S). ASL Job #38232

TELEPHONE 323 223 9700

CONTACT Melby Bran

PACKAGE SHIPPED FROM ☐

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒

CLIENT FAX NO. 323 223 9500

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

DATE/TIME OF SAMPLE COLLECTION 6/14/08

SAMPLE PRESERVATIVES ☐ HOLDING TIMES ☐

NO. OF SAMPLES SENT 2 SAMPLER'S NAME ☐

TYPE: ☒ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER ☐

(FOR EMS ONLY)

EMS Sample No.

121888-68
↓
90

CLIENT SAMPLE NO.

DESCRIPTION/LOCATION/ANALYSIS

VOLUME/
TIME/WEIGHT
(IF APPLICABLE)

219968

water

Asbestos 100.2

1 liter plant

219990

"

"

"

121888

Laboratory No.

Received By [Signature]

Time 3:40

Date of Package Delivery 6-17-08

Shipping Bill Retained: YES ☐ NONE ☒

Condition of Package on Receipt OK

Condition of Custody Seal None

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

No. of Samples 2

Chain-of-Custody Signature ☐

Date of Acceptance into Sample Bank 6-17-08

Misc. Info. ☐

Disposition of Samples EMS Lab

ANALYSIS OF WATER BY TEM (EPA-600 R 94 134) EPA 100.2

LAB NO: 121888
 CLIENT: American Scientific
 6/24/2008

Laboratory I.D.	Client I.D.	FILTER MEDIA DATA			No. of G.O.	Analyzed Area, mm^2	Sample Volume (ml)
		Type	Diameter mm	Effective Area mm^2			
121888-68	219968*	PC	47	1017	10	0.094	60
121888-90	219990*	PC	47	1017	10	0.094	60

* FOR FIBERS > 10um ONLY

INDIVIDUAL ANALYTICAL RESULTS

Laboratory I.D.	Client I.D.	No. of Asbestos			Detection Limit (MFL)	CONCENTRATION (MFL)		
		Str	Str >5um	Str >10um		Str	Str >5um	Str >10um
121888-68	219968*	-	-	N.D.	0.2	-	-	N.D.
121888-90	219990*	-	-	N.D.	0.2	-	-	N.D.

* FOR FIBERS > 10um ONLY

The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.


 Authorized Signature

**Analysis of Water by Transmission Electron Microscopy
(EPA-600 R 94 134) EPA 100.2**

EMS No. 121888

Client American Scientific

Sample No. 219968

Date Analyzed 6/24/2008

Fibers > 10 μ m in length (chrysotile)

BDL*

MFL

Mass (chrysotile)

0

ug/L

More/Less than 5 Fibers
in Sample (chrysotile)

LESS

Poisson 95% Confidence Interval

0 to 0.7

MFL

Detection Limit

0.2

MFL

* BDL : Below Detection Limit; MFL: Million Fibers per Liter

Particle Size Distribution (Chrysotile)

Particle Length - Microns

O - 0.49	0.50 - 0.99	1.00 - 1.49	1.50 - 1.99	2.00 - 2.49	2.5 - 4.99	5.00 - 9.99	10 & UP
0	0	0	0	0	0	0	0

Particle Width - Microns

O - .04	.05 - .09	.1 - .14	.15 - .19	.2 - .24	.25 - .49	.50 - .99	1 & UP
0	0	0	0	0	0	0	0

Aspect Ratio L/W

0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9	50 - 99	100 - 199	200 & UP
0	0	0	0	0	0	0	0

TEM 7B (1994)

RECEIVING

TYPE OF SAMPLE

Air ☐ Water ☒

Soil ☐ Bulk ☐

Other _____

LENGTHS

All Sizes (EPA) ☐ ☐

(μm) ≥ 0.5 ☐ ☐

≥ 1.0 ☐ ☐

≥ 5.0 ☐ ☐

≥ 100 ☐ ☐

PCM Range* ☐ ☐

*($\geq 0.25 \mu\text{m}$ width
 $\geq 5.0 \mu\text{m}$ length)

METHOD OF ANALYSIS
EPA 600/4-83-013 ☒ ISO ☐

LEVEL OF ANALYSIS
Chrysotile CD-CD
Amphibole ADx-AH

ASPECT RATIO
3:1 ☐ 5:1 ☐

EPA/600/R-94/134

FILTER TYPE / AREA (mm ²)	
MCE <input type="checkbox"/>	385 <input type="checkbox"/>
PC <input type="checkbox"/>	314 <input type="checkbox"/>
MCN <input type="checkbox"/>	1017 <input checked="" type="checkbox"/>
Other _____	

PORE SIZE

0.45 μm	<input type="checkbox"/>	0.8 μm	<input type="checkbox"/>
0.1 μm	<input type="checkbox"/>	0.22 μm	<input type="checkbox"/>
Other <i>0-0</i>			

G.O. Area (mm²) 0.099
No. of G.O. to Analyze 10

DIRECT PREP ☐ **INDIRECT PREP** ☐

INDIRECT PREP ☐
6-18-08-02007 6 to 9 pm
Sanicater 9 to 9:20 am
Billed 9:25 am.

Volume _____ liters
Working Volume 60 ml
Weight _____ grams
Ashed Area _____ %

Prepared By 14
Date 6/19/08

SISTANA

MICROSCOPE

ENERGY DISPERSIVE X-RAY SYSTEM

Grid Address: _____
Screen Magnification: 9400 X
Camera Constant: 30
Accelerating Voltage: 100KV
Beam Current: 10 μ A
K-Factor: 1.0
Analyst: W. C. C. Date: 10/10/60

Dimensions (mm)

Grid	Structure	Structure
------	-----------	-----------

Fiber Classification

EDS Analysis

Comments

OBSERVATIONS:

<input type="checkbox"/>	Clean
<input type="checkbox"/>	Debris:
<input checked="" type="checkbox"/>	Gypsum:
<input type="checkbox"/>	Condition of the Grid:

Very Light ☐ ☐ ☒

☐ Light
☐ Light
☐ Scrappy

☒ Moderate ☐ Moderate ☐olved Filter

<input checked="" type="checkbox"/>	Heavy
<input type="checkbox"/>	Heavy
<input type="checkbox"/>	Folded

Very Heavy ☐ Very Heavy ☐

RECEIVING

ANALYSIS

Date 6-21-08

[illegible]

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client American Screenbelt Lab. EMS Lab No. 121888
Sample No. 219968 Page of

MICROSCOPE

- ☒ H600A - Serial No. 542-36-01
☐ H600B - Serial No. 542-05-06
☐ H600C - Serial No. 542-24-03
☒ ENERGY DISPERSIVE X-RAY SYSTEM
Kevex - Model No. 3200-0106-0365
Kevex - Model No. 3600-0206-0146
Quantum System

Grid Address: C
Screen Magnification: 9400 X
Camera Constant: 30
Accelerating Voltage: 100 KV
Beam Current: 10 μ A
K-Factor: 1.5
Analyst: C. J. Rock

Date 6-24-08

Grid Opening

Structure Number

Structure

Dimensions (mm)

Width

Length

Fiber Classification

NAM

TM

CM

CD

CQ

CMQ

CDQ

UF

AD

AX

ADX

AQ

ADQ

AZQ

AZZ

EDS Analysis

Na

Mg

Si

Ca

Fe

Comments

OBSERVATIONS:

Clean ☒

Debris: ☒

Gypsum: ☒

Condition of the Grid: ☒

Very Light ☐

Very Light ☐

Good ☒

Light ☐

Light ☐

Scrappy ☐

Moderate ☒

Moderate ☐

Undissolved Filter ☐

Heavy ☐

Heavy ☐

Folded ☐

Very Heavy ☐

Very Heavy ☐

ITEM - 1B (1-08)



117 West Bellevue Drive • Pasadena, California 91105-2503 • (626) 568-4065

**Analysis of Water by Transmission Electron Microscopy
(EPA-600 R 94 134) EPA 100.2**

EMS No.	121888	Client	American Scientific
Sample No.	219990	Date Analyzed	6/24/2008

Fibers > 10 μ m in length (chrysotile)	<u>BDL*</u>	MFL
Mass (chrysotile)	<u>0</u>	ug/L
More/Less than 5 Fibers in Sample (chrysotile)	<u>LESS</u>	
Poisson 95% Confidence Interval	<u>0 to 0.7</u>	MFL
Detection Limit	<u>0.2</u>	MFL

* BDL : Below Detection Limit; MFL: Million Fibers per Liter

Particle Size Distribution (Chrysotile)

Particle Length - Microns							
O - 0.49	0.50 - 0.99	1.00 - 1.49	1.50 - 1.99	2.00 - 2.49	2.5 - 4.99	5.00 - 9.99	10 & UP
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Particle Width - Microns							
O - .04	.05 - .09	.1 - .14	.15 - .19	.2 - .24	.25 - .49	.50 - .99	1 & UP
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Aspect Ratio L/W							
0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9	50 - 99	100 - 199	200 & UP
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

TEM 7B (1994)

TEM ASBESTOS ANALYSIS

Client American Screen the Lab
Sample No. 219990

EMS Lab No. 121888
Page _____ of _____

RECEIVING

TYPE OF SAMPLE

Air ☐ Water ☒
Soil ☐ Bulk ☐
Other _____

METHOD OF ANALYSIS

EPA 600/4-83-043 ☒ ISO ☐

LEVEL OF ANALYSIS

Chrysotile CD-CD0
Amphibole ADX-BH

ASPECT RATIO

3:1 ☒ 5:1 ☐

EPA/600/R-94/134 100.1 ☐ 100.2 ☒

LENGTHS

All Sizes (EPA) ☐
(μm) ≥ 0.5 ☐
 ≥ 1.0 ☐
 ≥ 5.0 ☐
 ≥ 10.0 ☒
PCM Range ☐
*(≥ 0.25 μm width
 ≥ 5.0 μm length)

FILTER TYPE / AREA (mm \pm)

MCE ☐ 385 ☐
PC ☒ 314 ☐
MCN ☐ 1017 ☐
Other _____

PORE SIZE

0.45 μm ☐ 0.8 μm ☐
0.1 μm ☐ 0.22 μm ☐
Other 0.4

G.O. Area (mm 2) 0.0
No. of G.O. to Analyze 101

PREP

DIRECT PREP ☐

INDIRECT PREP ☐

6-18-01
Ordered 6 to 9a.
Screened 9 to 9:20a
Airled 9:30am

Volume _____ liters
Working Volume 60 ml
Weight _____ grams
Ashed Area _____ %

Prepared By Re
Date 6/19/01

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01 ☒
H600B - Serial No. 542-05-06 ☐
H600C - Serial No. 542-24-03 ☐

ENERGY DISPERSIVE X-RAY SYSTEM

KeveX - Model No. 3200-0106-0365 ☐
KeveX - Model No. 3600-0206-0146 ☐
Quantum System

Grid Address: A
Screen Magnification: 2400 X
Camera Constant: 30
Accelerating Voltage: 100KV
Beam Current: 19 μA
K-Factor: 1.0
Analyst Con Date 6-24-08

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification														EDS Analysis					Comments
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg	Si	Ca	
EP3	NSD																							
EP4	NSD																							
EP6	NSD																							
EP4	NSD																							

OBSERVATIONS:

Clean ☐
Debris: ☒ Very Light ☐
Gypsum: ☐ Very Light ☐
Condition of the Grid: ☒ Good ☐
Light ☐
Light ☐
Scrappy ☐
Moderate ☐
Moderate ☐
Undissolved Filter ☐
Heavy ☐
Heavy ☐
Folded ☐
Very Heavy ☐
Very Heavy ☐



EMS LABORATORIES

117 West Bellevue Drive • Pasadena, California 91105-2503 • (626) 568-4065

**Analysis of Water by Transmission Electron Microscopy
(EPA-600/4-83-043)**

EMS No. 121888 **Date Analyzed** 6/24/2008
Client American Scientific
Sample No. EMS BLANK

Fibers (chrysotile)	<u>ND</u>	MFL
> 5 Micron length (chrysotile)	<u>ND</u>	MFL
Mass (chrysotile)	<u>0</u>	ug/L
More/Less than 5 Fibers in Sample (chrysotile)	<u>LESS</u>	
Sensitivity Level	<u>0</u>	MFL

Particle Size Distribution (Chrysotile)

Particle Length - Microns

O - 0.49	0.50 - 0.99	1.00 - 1.49	1.50 - 1.99	2.00 - 2.49	2.5 & UP
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Particle Width - Microns

O - .04	.05 - .09	.1 - .14	.15 - .19	.2 - .24	.25 & UP
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Aspect Ratio L/W

0 - 9.9	10 - 19.9	20 - 29.9	30 - 39.9	40 - 49.9	50 & UP
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

TEM ASBESTOS ANALYSIS

Client EMC LAU INC.
Sample No. 6-18-01

Page 1 of 1

TYPE OF SAMPLE
Air ☐ Water ☒
Soil ☐ Bulk ☐
Other ☐

METHOD OF ANALYSIS
EPA 600/4-83-043 ☐ ISO ☐

LEVEL OF ANALYSIS
Chrysotile CP-CDQ
Amphibole PPX-PH

ASPECT RATIO
3:1 ☒ 5:1 ☐

EPA/600/R-94/134 ☐ 100.1 ☐ 100.2 ☐

LENGTHS
All Sizes (EPA) ☐
(μ m) ≥ 0.5 ☐
 ≥ 1.0 ☐
 ≥ 5.0 ☐
 ≥ 10.0 ☐

PCM Range* ☐
* ≥ 0.25 μ m width
 ≥ 5.0 μ m length

FILTER TYPE / AREA (mm \pm)
MCE ☐ 385 ☐
PC ☒ 314 ☐
MCN ☐ 1017 ☐
Other ☐

PORE SIZE
0.45 μ m ☐ 0.8 μ m ☐
0.1 μ m ☐ 0.22 μ m ☐
Other 2

G.O. Area (mm 2) 0.094
No. of G.O. to Analyze 20

DIRECT PREP ☐
INDIRECT PREP ☐

Volume 500 ml
Working Volume 500 ml
Weight 129 grams
Ashed Area 6/19/01

Prepared By 129
Date 6/19/01

ANALYSIS

PREP

MICROSCOPE

H600A - Serial No. 542-36-01 ☐
H600B - Serial No. 542-05-06 ☒
H600C - Serial No. 542-24-03 ☐

Grid Address 1920 X
Screen Magnification 253
Camera Constant 10
Accelerating Voltage 100 KV
Beam Current 1.14 μ A
K-Factor 1.14

Analysis cadle Date 6/28/01

Dimensions (mm)

Width Length

Structure

Grid Opening Structure Number

EDS Analysis

Na Mg Si Ca Fe

Fiber Classification

NAM TM CM CD CQ CMQ CDQ UF AD AX ADX AQ ADQ AZQ AZZ

Comments

OBSERVATIONS:

Clean ☐
Debris: ☐
Gypsum: ☐
Condition of the Grid: ☐

Very Light ☐
Very Light ☐
Good ☐

Light ☐
Light ☐
Scrappy ☐

Moderate ☐
Moderate ☐
Undissolved Filter ☐

Heavy ☐
Heavy ☐
Folded ☐

Very Heavy ☐
Very Heavy ☐

RECEIVING

ANALYSIS

Client Ems Plink
Sample No. 6-18-06

EMS Lab No. 11-1000
Page of

MICROSCOPE

H600A - Serial No. 542-36-01

H600B - Serial No. 542-05-06

H600C - Serial No. 542-24-03

ENERGY DISPERSIVE X-RAY SYSTEM

Kevex - Model No. 3200-0106-0365

KeveX - Model No. 3600-0206-0146
Quantum System

Quantum System

Grid Address:

Screen Magnification:

Camera Constant:

Accelerating Voltage:

Beam Current: 10 μA

K-Factor:

Analyst

Date _____

Comments

[illegible]**OBSERVATIONS:**

S: ☐ Clean ☐ Debris: ☐ Gypsum: ☐
Condition of the Grid: ☐

Light
Light
Scrappy

☐ Moderate

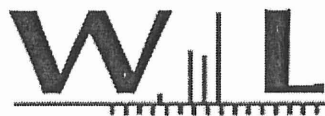
☐ Moderate

☐ Undissolved Filter

Heavy	<input type="checkbox"/>
Heavy	<input type="checkbox"/>
Folded	<input type="checkbox"/>

Very Heavy ☐ ☐

Very Heavy ☐ ☐



Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

Report Date: Tuesday, July 8, 2008

Received Date: Wednesday, June 18, 2008

Received Time: 1:05 pm

Turnaround Time: Normal

Client: American Scientific Laboratories
2520 N. San Fernando Road
Los Angeles, CA 90065-1324

Phone: (323) 223-9700

FAX: (323) 223-9500

Attn: Molky Barar

Project: 38232

P.O.#:

Certificate of Analysis

Work Order No: 8061861-01

Sample ID: 219969

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:34

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Benzo (a) pyrene.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Bis(2-ethylhexyl)adipate.....	ND		ug/l	5.0	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Bis(2-ethylhexyl)phthalate.....	ND		ug/l	3.0	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Alachlor.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Atrazine.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Bromacil.....	ND		ug/l	1.0	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Butachlor.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Diazinon.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Dimethoate.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Metolachlor.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Metribuzin.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Molinate.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Prometon.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Prometryn.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Simazine.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Thiobencarb.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Surrogate: 1,3-Dimethyl-2-NB	146 %	S-04		73-136			06/23/08	06/24/08	lct W8F0873
Surrogate: Perylene-d12	11 %	S-04		48-141			06/23/08	06/24/08	lct W8F0873
Surrogate: Triphenyl phosphate	84 %			71-150			06/23/08	06/24/08	lct W8F0873

Work Order No: 8061861-02

Sample ID: 219970

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:35

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Alachlor.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Atrazine.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Bromacil.....	ND		ug/l	1.0	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Butachlor.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873

Lab#: 8061861

Page 1 of 31

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634

www.wecklabs.com



Certificate of Analysis

Work Order No: 8061861-02

Sample ID: 219970

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:35

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Diazinon.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Dimethoate.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Metolachlor.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Metribuzin.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Molinate.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Prometon.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Prometryn.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Simazine.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Thiobencarb.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Surrogate: 1,3-Dimethyl-2-NB	113 %			73-136			06/23/08	06/24/08	lct W8F0873
Surrogate: Perylene-d12	52 %			48-141			06/23/08	06/24/08	lct W8F0873
Surrogate: Triphenyl phosphate	88 %			71-150			06/23/08	06/24/08	lct W8F0873

Work Order No: 8061861-03

Sample ID: 219972

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:39

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Aldrin.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
alpha-BHC.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
beta-BHC.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
delta-BHC.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
gamma-BHC (Lindane).....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
4,4'-DDD.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
4,4'-DDE.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
4,4'-DDT.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Dieldrin.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endosulfan I.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endosulfan II.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endosulfan sulfate.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endrin.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endrin aldehyde.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Heptachlor.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Heptachlor epoxide.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Methoxychlor.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Chlorothalonil.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Hexachlorobenzene.....	ND		ug/l	0.50	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Hexachlorocyclopentadiene.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Propachlor.....	ND		ug/l	0.50	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Trifluralin.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Chlordane (tech).....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Toxaphene.....	ND		ug/l	1.0	1	EPA 508	06/19/08	06/23/08	dav W8F0799
PCB-1016.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08	dav W8F0799



Certificate of Analysis

Work Order No: 8061861-03

Sample ID: 219972

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:39

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
PCB-1221.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1232.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1242.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1248.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1254.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1260.....	ND		ug/l	0.10	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCBs, Total.....	ND		ug/l	0.50	1	EPA 508	06/19/08	06/23/08 dav	W8F0799
Surrogate: Tetrachloro-meta-xylene	95 %			70-130			06/19/08	06/23/08 dav	W8F0799
Surrogate: Decachlorobiphenyl	107 %			70-130			06/19/08	06/23/08 dav	W8F0799

Work Order No: 8061861-04

Sample ID: 219973

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:41

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Endothall.....	ND		ug/l	45	1	EPA 548.1	06/20/08	06/26/08 lct	W8F0851

Work Order No: 8061861-05

Sample ID: 219974

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:42

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Dalapon.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
3,5-Dichlorobenzoic acid.....	ND		ug/l	1.0	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Dicamba.....	ND		ug/l	0.60	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Dichloroprop.....	ND		ug/l	0.30	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4-D.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Pentachlorophenol.....	ND		ug/l	0.20	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4,5-TP (Silvex).....	ND		ug/l	0.20	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4,5-T.....	ND		ug/l	0.20	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4-DB.....	ND		ug/l	2.0	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Dinoseb.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Bentazon.....	ND		ug/l	2.0	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
DCPA.....	ND		ug/l	0.10	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Picloram.....	ND		ug/l	0.60	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Acifluorfen.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Surrogate: 2,4-DCAA	94 %			70-130			06/25/08	06/26/08 dav	W8F1032

Work Order No: 8061861-06

Sample ID: 219975

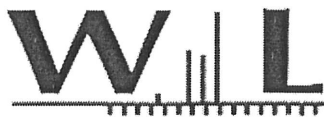
Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:44

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Diquat.....	ND		ug/l	4.0	1	EPA 549.2	06/19/08	06/24/08 hmc	W8F0811



Certificate of Analysis

Work Order No: 8061861-07
Sampled by: ClientSample ID: 219978
Sampled: 06/14/08 09:47Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Total Beryllium.....	ND		ug/l	0.10	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Aluminum.....	8.8		ug/l	5.0	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Chromium.....	0.26		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Manganese.....	55		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Nickel.....	2.3		ug/l	0.80	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Copper.....	6.8		ug/l	0.50	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Zinc.....	1800		ug/l	5.0	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Arsenic.....	ND		ug/l	0.40	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Selenium.....	0.62		ug/l	0.40	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Silver.....	ND		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Cadmium.....	ND		ug/l	0.10	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Antimony.....	ND		ug/l	0.50	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Barium.....	86		ug/l	0.50	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Thallium.....	ND		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Lead.....	1.7		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Mercury, Total.....	ND		ug/l	0.10	1	EPA 200.8	07/01/08	07/07/08 ppy	W8G0029

Work Order No: 8061861-08
Sampled by: ClientSample ID: 219979
Sampled: 06/14/08 09:48Matrix: Water
Sample Note:

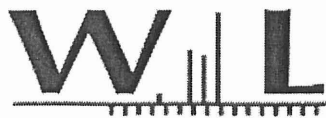
Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Perchlorate.....	ND		ug/l	2.0	1	EPA 314.0	06/20/08	06/20/08 mac	W8F0925

Work Order No: 8061861-09
Sampled by: ClientSample ID: 219980
Sampled: 06/14/08 09:48Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Glyphosate.....	ND		ug/l	5.0	1	EPA 547	06/19/08	06/19/08 hmc	W8F0920

Work Order No: 8061861-10
Sampled by: ClientSample ID: 219981
Sampled: 06/14/08 09:49Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Aldicarb sulfoxide.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Aldicarb sulfone.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Oxamyl.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Methomyl.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
3-Hydroxycarbofuran.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Aldicarb.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Propoxur (Baygon).....	ND	A-01	ug/l	5.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Carbofuran.....	ND	A-01	ug/l	5.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Carbaryl.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995



Certificate of Analysis

Work Order No: 8061861-10

Sample ID: 219981

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:49

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Methiocarb.....	ND	A-01	ug/l	3.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995

Work Order No: 8061861-11

Sample ID: 219982

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:50

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
1,2-Dibromoethane (EDB).....	ND		ug/l	0.020	1	EPA 504.1	06/23/08	06/24/08 dav	W8F0908
1,2-Dibromo-3-chloropropane.....	ND		ug/l	0.010	1	EPA 504.1	06/23/08	06/24/08 dav	W8F0908

Work Order No: 8061861-12

Sample ID: 219983

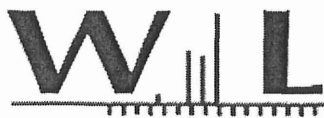
Matrix: Water

Sampled by: Client

Sampled: 06/14/08 09:51

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Dichlorodifluoromethane (Freon 12).....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Vinyl chloride.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromomethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Trichlorofluoromethane.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Freon 113.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1-Dichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Methylene chloride.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
trans-1,2-Dichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Methyl tert-butyl ether (MTBE).....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1-Dichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Di-isopropyl ether.....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Ethyl tert-butyl ether.....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Butanone.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2,2-Dichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
cis-1,2-Dichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromochloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chloroform.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,1-Trichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Carbon tetrachloride.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1-Dichloropropene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Benzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2-Dichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Tert-amyl methyl ether.....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Trichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2-Dichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Dibromomethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905



Certificate of Analysis

Work Order No: 8061861-12
Sampled by: Client

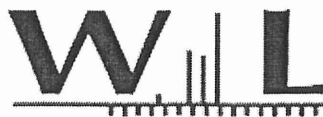
Sample ID: 219983

Sampled: 06/14/08 09:51

Matrix: Water

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Bromodichloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
cis-1,3-Dichloropropene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
4-Methyl-2-pentanone.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Chloroethyl vinyl ether.....	ND		ug/l	1.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Toluene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
trans-1,3-Dichloropropene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,2-Trichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Tetrachloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,3-Dichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Dibromochloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Hexanone.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,1,2-Tetrachloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Ethylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
m,p-Xylene.....	ND		ug/l	1.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
o-Xylene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Styrene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromoform.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Isopropylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,2,2-Tetrachloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,3-Trichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
n-Propylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Chlorotoluene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
4-Chlorotoluene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,3,5-Trimethylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
tert-Butylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,4-Trimethylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
sec-Butylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
m-Dichlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
p-Isopropyltoluene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
p-Dichlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
o-Dichlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
n-Butylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,4-Trichlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Hexachlorobutadiene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Naphthalene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,3-Trichlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Xylenes (total).....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,3 Dichloropropene (Total).....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Surrogate: 1,2-Dichlorobenzene-d4	108 %			70-130			06/20/08	06/20/08 mdt	W8F0905
Surrogate: 4-Bromofluorobenzene	106 %			70-130			06/20/08	06/20/08 mdt	W8F0905



Certificate of Analysis

Work Order No: 8061861-13
Sampled by: ClientSample ID: 219985
Sampled: 06/14/08 10:19Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Alachlor.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Atrazine.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Bromacil.....	ND		ug/l	1.0	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Butachlor.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Diazinon.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Dimethoate.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Metolachlor.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Metribuzin.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Molinate.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Prometon.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Prometryn.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Simazine.....	ND		ug/l	0.10	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Thiobencarb.....	ND		ug/l	0.20	1	EPA 525.2	06/23/08	06/24/08	lct W8F0873
Surrogate: 1,3-Dimethyl-2-NB	107 %			73-136			06/23/08	06/24/08	lct W8F0873
Surrogate: Perylene-d12	63 %			48-141			06/23/08	06/24/08	lct W8F0873
Surrogate: Triphenyl phosphate	85 %			71-150			06/23/08	06/24/08	lct W8F0873

Work Order No: 8061861-14
Sampled by: ClientSample ID: 219986
Sampled: 06/14/08 10:21Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Aldrin.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
alpha-BHC.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
beta-BHC.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
delta-BHC.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
gamma-BHC (Lindane).....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
4,4'-DDD.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
4,4'-DDE.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
4,4'-DDT.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Dieldrin.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endosulfan I.....	ND		ug/l	0.020	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endosulfan II.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endosulfan sulfate.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endrin.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Endrin aldehyde.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Heptachlor.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Heptachlor epoxide.....	ND		ug/l	0.010	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Methoxychlor.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Chlorothalonil.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Hexachlorobenzene.....	ND		ug/l	0.50	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Hexachlorocyclopentadiene.....	ND		ug/l	0.050	1	EPA 508	06/19/08	06/23/08	dav W8F0799
Propachlor.....	ND		ug/l	0.50	1	EPA 508	06/19/08	06/23/08	dav W8F0799



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Work Order No: 8061861-14

Sample ID: 219986

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:21

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Dil	Method	Prepared	Analyzed	Batch
				Limit						
Trifluralin.....	ND		ug/l	0.010		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
Chlordane (tech).....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
Toxaphene.....	ND		ug/l	1.0		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1016.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1221.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1232.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1242.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1248.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1254.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCB-1260.....	ND		ug/l	0.10		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
PCBs, Total.....	ND		ug/l	0.50		1	EPA 508	06/19/08	06/23/08 dav	W8F0799
Surrogate: Tetrachloro-meta-xylene	89 %			70-130				06/19/08	06/23/08 dav	W8F0799
Surrogate: Decachlorobiphenyl	102 %			70-130				06/19/08	06/23/08 dav	W8F0799

Work Order No: 8061861-15

Sample ID: 219987

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:23

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Dil	Method	Prepared	Analyzed	Batch
				Limit						
Benzo (a) pyrene.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Bis(2-ethylhexyl)adipate.....	ND		ug/l	5.0		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Bis(2-ethylhexyl)phthalate.....	ND		ug/l	3.0		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Alachlor.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Atrazine.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Bromacil.....	ND		ug/l	1.0		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Butachlor.....	ND		ug/l	0.20		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Diazinon.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Dimethoate.....	ND		ug/l	0.20		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Metolachlor.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Metribuzin.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Molinate.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Prometon.....	ND		ug/l	0.20		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Prometryn.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Simazine.....	ND		ug/l	0.10		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Thiobencarb.....	ND		ug/l	0.20		1	EPA 525.2	06/23/08	06/24/08 lct	W8F0873
Surrogate: 1,3-Dimethyl-2-NB	124 %			73-136				06/23/08	06/24/08 lct	W8F0873
Surrogate: Perylene-d12	25 %	S-04		48-141				06/23/08	06/24/08 lct	W8F0873
Surrogate: Triphenyl phosphate	77 %			71-150				06/23/08	06/24/08 lct	W8F0873

Work Order No: 8061861-16

Sample ID: 219988

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:26

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Dil	Method	Prepared	Analyzed	Batch
				Limit						

Lab#: 8061861

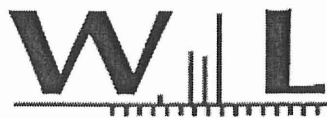
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Work Order No: 8061861-16

Sample ID: 219988

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:26

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Dalapon.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
3,5-Dichlorobenzoic acid.....	ND		ug/l	1.0	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Dicamba.....	ND		ug/l	0.60	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Dichloroprop.....	ND		ug/l	0.30	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4-D.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Pentachlorophenol.....	ND		ug/l	0.20	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4,5-TP (Silvex).....	ND		ug/l	0.20	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4,5-T.....	ND		ug/l	0.20	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
2,4-DB.....	ND		ug/l	2.0	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Dinoseb.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Bentazon.....	ND		ug/l	2.0	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
DCPA.....	ND		ug/l	0.10	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Picloram.....	ND		ug/l	0.60	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Acifluorfen.....	ND		ug/l	0.40	1	EPA 515.3	06/25/08	06/26/08 dav	W8F1032
Surrogate: 2,4-DCAA	97 %			70-130			06/25/08	06/26/08 dav	W8F1032

Work Order No: 8061861-17

Sample ID: 219989

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:28

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Endothall.....	ND		ug/l	45	1	EPA 548.1	06/20/08	06/26/08 lct	W8F0851

Work Order No: 8061861-18

Sample ID: 219991

Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:30

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Diquat.....	ND		ug/l	4.0	1	EPA 549.2	06/19/08	06/24/08 hmc	W8F0811

Work Order No: 8061861-19

Sample ID: 219994

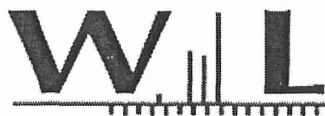
Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:33

Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Total Beryllium.....	ND		ug/l	0.10	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Aluminum.....	7.0		ug/l	5.0	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Chromium.....	0.29		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Manganese.....	33		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Nickel.....	1.0		ug/l	0.80	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Copper.....	4.8		ug/l	0.50	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Zinc.....	220		ug/l	5.0	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Arsenic.....	ND		ug/l	0.40	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Selenium.....	0.56		ug/l	0.40	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Silver.....	ND		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004



Certificate of Analysis

Work Order No: 8061861-19
Sampled by: ClientSample ID: 219994
Sampled: 06/14/08 10:33Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Total Cadmium.....	ND		ug/l	0.10	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Antimony.....	ND		ug/l	0.50	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Barium.....	83		ug/l	0.50	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Thallium.....	ND		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Total Lead.....	2.0		ug/l	0.20	1	EPA 200.8	06/24/08	06/26/08 dkc	W8F1004
Mercury, Total.....	ND		ug/l	0.10	1	EPA 200.8	07/01/08	07/07/08 ppy	W8G0029

Work Order No: 8061861-20
Sampled by: ClientSample ID: 219995
Sampled: 06/14/08 10:34Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Perchlorate.....	ND		ug/l	2.0	1	EPA 314.0	06/20/08	06/20/08 mac	W8F0925

Work Order No: 8061861-21
Sampled by: ClientSample ID: 219996
Sampled: 06/14/08 10:35Matrix: Water
Sample Note:

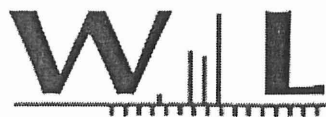
Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Glyphosate.....	ND		ug/l	5.0	1	EPA 547	06/19/08	06/19/08 hmc	W8F0920

Work Order No: 8061861-22
Sampled by: ClientSample ID: 219997
Sampled: 06/14/08 10:37Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
Aldicarb sulfoxide.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Aldicarb sulfone.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Oxamyl.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Methomyl.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
3-Hydroxycarbofuran.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Aldicarb.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Propoxur (Baygon).....	ND	A-01	ug/l	5.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Carbofuran.....	ND	A-01	ug/l	5.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Carbaryl.....	ND	A-01	ug/l	2.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995
Methiocarb.....	ND	A-01	ug/l	3.0	1	EPA 531.1	06/23/08	06/23/08 hmc	W8F0995

Work Order No: 8061861-23
Sampled by: ClientSample ID: 219998
Sampled: 06/14/08 10:38Matrix: Water
Sample Note:

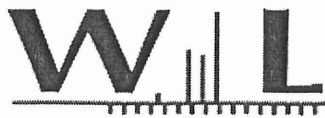
Analyte	Result	Qualifier	Units	Reporting					
				Limit	Dil	Method	Prepared	Analyzed	Batch
1,2-Dibromoethane (EDB).....	ND		ug/l	0.020	1	EPA 504.1	06/23/08	06/24/08 dav	W8F0908
1,2-Dibromo-3-chloropropane.....	ND		ug/l	0.010	1	EPA 504.1	06/23/08	06/24/08 dav	W8F0908



Certificate of Analysis

Work Order No: 8061861-24
Sampled by: ClientSample ID: 219999
Sampled: 06/14/08 10:39Matrix: Water
Sample Note:

Analyte	Result	Qualifier	Units	Reporting		Method	Prepared	Analyzed	Batch
				Limit	Dil				
Dichlorodifluoromethane (Freon 12).....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Vinyl chloride.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromomethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Trichlorofluoromethane.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Freon 113.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1-Dichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Methylene chloride.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
trans-1,2-Dichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Methyl tert-butyl ether (MTBE).....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1-Dichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Di-isopropyl ether.....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Ethyl tert-butyl ether.....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Butanone.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2,2-Dichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
cis-1,2-Dichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromochloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chloroform.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,1-Trichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Carbon tetrachloride.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1-Dichloropropene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Benzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2-Dichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Tert-amyl methyl ether.....	ND		ug/l	3.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Trichloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2-Dichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Dibromomethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromodichloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
cis-1,3-Dichloropropene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
4-Methyl-2-pentanone.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Chloroethyl vinyl ether.....	ND		ug/l	1.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Toluene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
trans-1,3-Dichloropropene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,2-Trichloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Tetrachloroethene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,3-Dichloropropane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Dibromochloromethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Hexanone.....	ND		ug/l	5.0	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Chlorobenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,1,2-Tetrachloroethane.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Ethylbenzene.....	ND		ug/l	0.50	1	EPA 524.2	06/20/08	06/20/08 mdt	W8F0905



Certificate of Analysis

Work Order No: 8061861-24

Sample ID: 219999

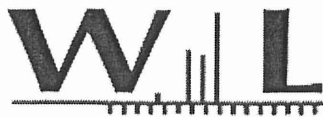
Matrix: Water

Sampled by: Client

Sampled: 06/14/08 10:39

Sample Note:

Analyte	Result	Qualifier	Units	Reporting			Method	Prepared	Analyzed	Batch
				Limit	Dil					
m,p-Xylene.....	ND		ug/l	1.0	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
o-Xylene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Styrene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromoform.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Isopropylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Bromobenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,1,2,2-Tetrachloroethane.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,3-Trichloropropane.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
n-Propylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
2-Chlorotoluene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
4-Chlorotoluene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,3,5-Trimethylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
tert-Butylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,4-Trimethylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
sec-Butylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
m-Dichlorobenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
p-Isopropyltoluene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
p-Dichlorobenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
o-Dichlorobenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
n-Butylbenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,4-Trichlorobenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Hexachlorobutadiene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Naphthalene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,2,3-Trichlorobenzene.....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Xylenes (total).....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
1,3 Dichloropropene (Total).....	ND		ug/l	0.50	1		EPA 524.2	06/20/08	06/20/08 mdt	W8F0905
Surrogate: 1,2-Dichlorobenzene-d4	107 %			70-130				06/20/08	06/20/08 mdt	W8F0905
Surrogate: 4-Bromofluorobenzene	105 %			70-130				06/20/08	06/20/08 mdt	W8F0905



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*** DEFAULT GENERAL METHOD *** - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8G0029 - EPA 200.2**Blank (W8G0029-BLK1)**

Prepared: 07/01/08 Analyzed: 07/07/08

Mercury, Total..... ND ug/l

LCS (W8G0029-BS1)

Prepared: 07/01/08 Analyzed: 07/07/08

Mercury, Total..... 0.870 ug/l 1.00 87 85-115

Matrix Spike (W8G0029-MS1)

Source: 8061861-07

Prepared: 07/01/08 Analyzed: 07/07/08

Mercury, Total..... 0.0200 1.88 ug/l 2.00 93 70-130

Matrix Spike Dup (W8G0029-MSD1)

Source: 8061861-07

Prepared: 07/01/08 Analyzed: 07/07/08

Mercury, Total..... 0.0200 1.99 ug/l 2.00 98 70-130 6 30

Weck Laboratories, Inc

Carbamates and Urea Pesticides - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0995 - EPA 531.1- dir. inj.**Blank (W8F0995-BLK1)**

Prepared & Analyzed: 06/23/08

Aldicarb sulfoxide..... ND ug/l

Aldicarb sulfone..... ND ug/l

Oxamyl..... ND ug/l

Methomyl..... ND ug/l

3-Hydroxycarbofuran..... ND ug/l

Aldicarb..... ND ug/l

Propoxur (Baygon)..... ND ug/l

Carbofuran..... ND ug/l

Carbaryl..... ND ug/l

Methiocarb..... ND ug/l

LCS (W8F0995-BS1)

Prepared & Analyzed: 06/23/08

Aldicarb sulfoxide..... 8.49 ug/l 10.0 85 80-120

Aldicarb sulfone..... 8.50 ug/l 10.0 85 80-120

Oxamyl..... 9.33 ug/l 10.0 93 80-120

Methomyl..... 8.45 ug/l 10.0 84 80-120

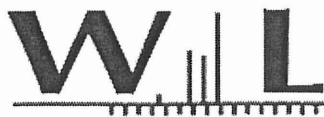
3-Hydroxycarbofuran..... 9.70 ug/l 10.0 97 80-120

Aldicarb..... 8.56 ug/l 10.0 86 80-120

Propoxur (Baygon)..... 9.35 ug/l 10.0 94 80-120

Carbofuran..... 9.50 ug/l 10.0 95 80-120

Carbaryl..... 8.89 ug/l 10.0 89 80-120



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Carbamates and Urea Pesticides - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0995 - EPA 531.1- dir. inj.**LCS (W8F0995-BS1)**

Prepared & Analyzed: 06/23/08

Methiocarb.....	9.36	ug/l	10.0	94	80-120
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Matrix Spike (W8F0995-MS1)

Source: 8061707-01

Prepared & Analyzed: 06/23/08

Aldicarb sulfoxide.....	ND	11.8	ug/l	10.0	118	65-135
Aldicarb sulfone.....	ND	11.9	ug/l	10.0	119	65-135
Oxamyl.....	ND	12.4	ug/l	10.0	124	65-135
Methomyl.....	ND	12.2	ug/l	10.0	122	65-135
3-Hydroxycarbofuran.....	ND	12.8	ug/l	10.0	128	65-135
Aldicarb.....	ND	11.8	ug/l	10.0	118	65-135
Propoxur (Baygon).....	ND	11.9	ug/l	10.0	119	65-135
Carbofuran.....	ND	12.2	ug/l	10.0	122	65-135
Carbaryl.....	ND	12.8	ug/l	10.0	128	65-135
Methiocarb.....	ND	11.8	ug/l	10.0	118	65-135

Matrix Spike Dup (W8F0995-MSD1)

Source: 8061707-01

Prepared & Analyzed: 06/23/08

Aldicarb sulfoxide.....	ND	12.1	ug/l	10.0	121	65-135	2	30
Aldicarb sulfone.....	ND	12.0	ug/l	10.0	120	65-135	0.9	30
Oxamyl.....	ND	12.8	ug/l	10.0	128	65-135	3	30
Methomyl.....	ND	12.1	ug/l	10.0	121	65-135	0.7	30
3-Hydroxycarbofuran.....	ND	13.3	ug/l	10.0	133	65-135	4	30
Aldicarb.....	ND	11.8	ug/l	10.0	118	65-135	0.005	30
Propoxur (Baygon).....	ND	11.8	ug/l	10.0	118	65-135	1	30
Carbofuran.....	ND	11.6	ug/l	10.0	116	65-135	5	30
Carbaryl.....	ND	12.4	ug/l	10.0	124	65-135	3	30
Methiocarb.....	ND	11.8	ug/l	10.0	118	65-135	0.3	30

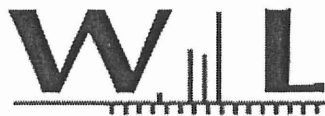
Weck Laboratories, Inc**Chlorinated Pesticides and/or PCBs - Quality Control**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0799 - EPA 508**Blank (W8F0799-BLK1)**

Prepared: 06/19/08 Analyzed: 06/23/08

Surrogate: Tetrachloro-meta-xylene	0.0888	ug/l	0.100	89	70-130
Surrogate: Decachlorobiphenyl	0.103	ug/l	0.100	103	70-130
Aldrin.....	ND	ug/l			
alpha-BHC.....	ND	ug/l			
beta-BHC.....	ND	ug/l			
delta-BHC.....	ND	ug/l			



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Chlorinated Pesticides and/or PCBs - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0799 - EPA 508

Blank (W8F0799-BLK1)

Prepared: 06/19/08 Analyzed: 06/23/08

gamma-BHC (Lindane)	ND	ug/l
4,4'-DDD	ND	ug/l
4,4'-DDE	ND	ug/l
4,4'-DDT	ND	ug/l
Dieldrin	ND	ug/l
Endosulfan I	ND	ug/l
Endosulfan II	ND	ug/l
Endosulfan sulfate	ND	ug/l
Endrin	ND	ug/l
Endrin aldehyde	ND	ug/l
Heptachlor	ND	ug/l
Heptachlor epoxide	ND	ug/l
Methoxychlor	ND	ug/l
Chlorothalonil	ND	ug/l
Hexachlorobenzene	ND	ug/l
Hexachlorocyclopentadiene	ND	ug/l
Propachlor	ND	ug/l
Trifluralin	ND	ug/l
Chlordane (tech)	ND	ug/l
Toxaphene	ND	ug/l
PCB-1016	ND	ug/l
PCB-1221	ND	ug/l
PCB-1232	ND	ug/l
PCB-1242	ND	ug/l
PCB-1248	ND	ug/l
PCB-1254	ND	ug/l
PCB-1260	ND	ug/l
PCBs, Total	ND	ug/l

LCS (W8F0799-BS1)

Prepared: 06/19/08 Analyzed: 06/23/08

Surrogate: Tetrachloro-meta-xylene	0.112	ug/l	0.100	112	70-130
Surrogate: Decachlorobiphenyl	0.114	ug/l	0.100	114	70-130
Aldrin	0.0813	ug/l	0.100	81	58-120
alpha-BHC	0.0817	ug/l	0.100	82	62-125
beta-BHC	0.0805	ug/l	0.100	80	54-139
delta-BHC	0.0746	ug/l	0.100	75	63-142
gamma-BHC (Lindane)	0.0798	ug/l	0.100	80	61-128
4,4'-DDD	0.0804	ug/l	0.100	80	47-147
4,4'-DDE	0.0762	ug/l	0.100	76	54-130
4,4'-DDT	0.0988	ug/l	0.100	99	42-143
Dieldrin	0.0750	ug/l	0.100	75	52-130

Lab#: 8061861

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Chlorinated Pesticides and/or PCBs - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0799 - EPA 508**LCS (W8F0799-BS1)**

Prepared: 06/19/08 Analyzed: 06/23/08

Endosulfan I.....	0.0752		ug/l	0.100	75	44-119
Endosulfan II.....	0.0727		ug/l	0.100	73	39-120
Endosulfan sulfate.....	0.118		ug/l	0.100	118	63-158
Endrin.....	0.0866		ug/l	0.100	87	57-148
Endrin aldehyde.....	0.110		ug/l	0.100	110	53-123
Heptachlor.....	0.0830		ug/l	0.100	83	56-142
Heptachlor epoxide.....	0.0779		ug/l	0.100	78	57-124
Methoxychlor.....	0.0999		ug/l	0.100	100	45-165

LCS Dup (W8F0799-BS1)

Prepared: 06/19/08 Analyzed: 06/23/08

Surrogate: Tetrachloro-meta-xylene	0.101		ug/l	0.100	101	70-130		
Surrogate: Decachlorobiphenyl	0.116		ug/l	0.100	116	70-130		
Aldrin.....	0.0777		ug/l	0.100	78	58-120	5	25
alpha-BHC.....	0.0763		ug/l	0.100	76	62-125	7	25
beta-BHC.....	0.0790		ug/l	0.100	79	54-139	2	25
delta-BHC.....	0.0728		ug/l	0.100	73	63-142	3	25
gamma-BHC (Lindane).....	0.0759		ug/l	0.100	76	61-128	5	25
4,4'-DDD.....	0.0789		ug/l	0.100	79	47-147	2	25
4,4'-DDE.....	0.0750		ug/l	0.100	75	54-130	2	25
4,4'-DDT.....	0.0963		ug/l	0.100	96	42-143	3	25
Dieldrin.....	0.0747		ug/l	0.100	75	52-130	0.4	25
Endosulfan I.....	0.0739		ug/l	0.100	74	44-119	2	25
Endosulfan II.....	0.0721		ug/l	0.100	72	39-120	0.8	25
Endosulfan sulfate.....	0.114		ug/l	0.100	114	63-158	3	25
Endrin.....	0.0851		ug/l	0.100	85	57-148	2	25
Endrin aldehyde.....	0.0975		ug/l	0.100	97	53-123	12	25
Heptachlor.....	0.0793		ug/l	0.100	79	56-142	5	25
Heptachlor epoxide.....	0.0764		ug/l	0.100	76	57-124	2	25
Methoxychlor.....	0.0995		ug/l	0.100	99	45-165	0.4	25

Batch W8F1032 - EPA 515.3**Blank (W8F1032-BLK1)**

Prepared: 06/25/08 Analyzed: 06/26/08

Surrogate: 2,4-DCAA	9.34		ug/l	10.0	93	70-130		
Dalapon.....	ND		ug/l					
3,5-Dichlorobenzoic acid.....	ND		ug/l					
Dicamba.....	ND		ug/l					
Dichloroprop.....	ND		ug/l					
2,4-D.....	ND		ug/l					
Pentachlorophenol.....	ND		ug/l					
2,4,5-TP (Silvex).....	ND		ug/l					



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Chlorinated Herbicides - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F1032 - EPA 515.3

Blank (W8F1032-BLK1)

Prepared: 06/25/08 Analyzed: 06/26/08

2,4,5-T.....	ND	ug/l
2,4-DB.....	ND	ug/l
Dinoseb.....	ND	ug/l
Bentazon.....	ND	ug/l
DCPA.....	ND	ug/l
Picloram.....	ND	ug/l
Acifluorfen.....	ND	ug/l

LCS (W8F1032-BS1)

Prepared: 06/25/08 Analyzed: 06/26/08

Surrogate: 2,4-DCAA	9.15	ug/l	10.0	92	70-130
Dalapon.....	1.96	ug/l	2.00	98	70-130
3,5-Dichlorobenzoic acid.....	4.57	ug/l	5.00	91	70-130
Dicamba.....	2.97	ug/l	3.00	99	70-130
Dichloroprop.....	1.79	ug/l	2.00	89	70-130
2,4-D.....	1.76	ug/l	2.00	88	70-130
Pentachlorophenol.....	0.972	ug/l	1.00	97	70-130
2,4,5-TP (Silvex).....	0.862	ug/l	1.00	86	70-130
2,4,5-T.....	0.804	ug/l	1.00	80	70-130
2,4-DB.....	8.66	ug/l	10.0	87	70-130
Dinoseb.....	1.89	ug/l	2.00	95	70-130
Bentazon.....	9.27	ug/l	10.0	93	70-130
DCPA.....	0.847	ug/l	1.00	85	70-130
Picloram.....	2.53	ug/l	3.00	84	70-130
Acifluorfen.....	1.86	ug/l	2.00	93	70-130

Matrix Spike (W8F1032-MS1)

Source: 8061741-01

Prepared: 06/25/08 Analyzed: 06/26/08

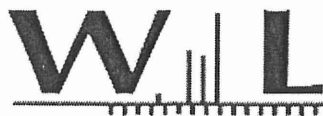
Surrogate: 2,4-DCAA	9.30	ug/l	10.0	93	70-130
Dalapon.....ND	1.92	ug/l	2.00	96	70-130
3,5-Dichlorobenzoic acid.....ND	4.74	ug/l	5.00	95	70-130
Dicamba.....ND	2.97	ug/l	3.00	99	70-130
Dichloroprop.....ND	1.89	ug/l	2.00	95	70-130
2,4-D.....ND	1.44	ug/l	2.00	72	70-130
Pentachlorophenol.....ND	0.941	ug/l	1.00	94	70-130
2,4,5-TP (Silvex).....ND	0.894	ug/l	1.00	89	70-130
2,4,5-T.....ND	0.805	ug/l	1.00	80	70-130
2,4-DB.....ND	8.59	ug/l	10.0	86	70-130
Dinoseb.....ND	1.90	ug/l	2.00	95	70-130
Bentazon.....ND	9.55	ug/l	10.0	95	70-130
DCPA.....ND	0.898	ug/l	1.00	90	70-130
Picloram.....ND	2.60	ug/l	3.00	87	70-130
Acifluorfen.....ND	1.70	ug/l	2.00	85	70-130

Lab#: 8061861

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14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634

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Certificate of Analysis
Weck Laboratories, Inc
Chlorinated Herbicides - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F1032 - EPA 515.3									
Matrix Spike Dup (W8F1032-MSD1)		Source: 8061741-01			Prepared: 06/25/08 Analyzed: 06/26/08				
Surrogate: 2,4-DCAA		9.55		ug/l	10.0	96	70-130		
Dalapon.....	ND	1.92		ug/l	2.00	96	70-130	0.05	30
3,5-Dichlorobenzoic acid.....	ND	4.75		ug/l	5.00	95	70-130	0.3	30
Dicamba.....	ND	3.01		ug/l	3.00	100	70-130	1	30
Dichloroprop.....	ND	1.87		ug/l	2.00	93	70-130	1	30
2,4-D.....	ND	1.45		ug/l	2.00	73	70-130	0.8	30
Pentachlorophenol.....	ND	0.958		ug/l	1.00	96	70-130	2	30
2,4,5-TP (Silvex).....	ND	0.905		ug/l	1.00	90	70-130	1	30
2,4,5-T.....	ND	0.989		ug/l	1.00	99	70-130	21	30
2,4-DB.....	ND	10.0		ug/l	10.0	100	70-130	15	30
Dinoseb.....	ND	1.94		ug/l	2.00	97	70-130	2	30
Bentazon.....	ND	10.4		ug/l	10.0	104	70-130	9	30
DCPA.....	ND	0.914		ug/l	1.00	91	70-130	2	30
Picloram.....	ND	2.77		ug/l	3.00	92	70-130	6	30
Acifluorfen.....	ND	1.87		ug/l	2.00	94	70-130	10	30

Weck Laboratories, Inc
Diquat and Paraquat by EPA 549.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0811 - EPA 549.2									
Blank (W8F0811-BLK1)		Prepared: 06/19/08 Analyzed: 06/24/08							
Diquat.....		ND		ug/l					
LCS (W8F0811-BS1)		Prepared: 06/19/08 Analyzed: 06/24/08							
Diquat.....		15.2		ug/l	20.0	76	54-135		
Matrix Spike (W8F0811-MS1)		Source: 8061707-01			Prepared: 06/19/08 Analyzed: 06/24/08				
Diquat.....	ND	15.4		ug/l	20.0	77	52-130		
Matrix Spike Dup (W8F0811-MSD1)		Source: 8061707-01			Prepared: 06/19/08 Analyzed: 06/24/08				
Diquat.....	ND	15.0		ug/l	20.0	75	52-130	3	30

Weck Laboratories, Inc
Endothall By EPA 548.1 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Certificate of Analysis
Weck Laboratories, Inc
Endothall By EPA 548.1 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0851 - EPA 548.1									
Blank (W8F0851-BLK1)					Prepared: 06/20/08 Analyzed: 06/26/08				
Endothall.....		ND		ug/l					
LCS (W8F0851-BS1)					Prepared: 06/20/08 Analyzed: 06/26/08				
Endothall.....		61.5		ug/l	100	62	0.1-143		
LCS (W8F0851-BS2)					Prepared: 06/20/08 Analyzed: 06/26/08				
Endothall.....		61.8		ug/l	100	62	0.1-143		
Matrix Spike (W8F0851-MS1)					Source: 8061861-04 Prepared: 06/20/08 Analyzed: 06/26/08				
Endothall.....	ND	10.3		ug/l	100	10	0.1-137		
Matrix Spike Dup (W8F0851-MSD1)					Source: 8061861-04 Prepared: 06/20/08 Analyzed: 06/26/08				
Endothall.....	ND	20.1	Q-12	ug/l	100	20	0.1-137	64	30

Weck Laboratories, Inc
Fumigants by EPA Method 504.1 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0908 - EPA 500 Series									
Blank (W8F0908-BLK1)					Prepared: 06/23/08 Analyzed: 06/24/08				
1,2-Dibromoethane (EDB).....		ND		ug/l					
1,2-Dibromo-3-chloropropane.....		ND		ug/l					
LCS (W8F0908-BS1)					Prepared: 06/23/08 Analyzed: 06/24/08				
1,2-Dibromoethane (EDB).....		0.0220		ug/l	0.0200	110	70-130		
1,2-Dibromo-3-chloropropane.....		0.0220		ug/l	0.0200	110	70-130		
LCS (W8F0908-BS2)					Prepared: 06/23/08 Analyzed: 06/24/08				
1,2-Dibromoethane (EDB).....		0.127		ug/l	0.100	127	70-130		
1,2-Dibromo-3-chloropropane.....		0.127		ug/l	0.100	127	70-130		
Matrix Spike (W8F0908-MS1)					Source: 8061861-11 Prepared: 06/23/08 Analyzed: 06/24/08				
1,2-Dibromoethane (EDB).....	ND	0.107		ug/l	0.100	107	65-135		
1,2-Dibromo-3-chloropropane.....	ND	0.118		ug/l	0.100	118	65-135		
Matrix Spike Dup (W8F0908-MSD1)					Source: 8061861-11 Prepared: 06/23/08 Analyzed: 06/24/08				
1,2-Dibromoethane (EDB).....	ND	0.107		ug/l	0.100	107	65-135	0	30
1,2-Dibromo-3-chloropropane.....	ND	0.121		ug/l	0.100	121	65-135	3	30

Weck Laboratories, Inc



Certificate of Analysis
Glyphosate by EPA 547 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0920 - EPA 547 - dir. inj.**Blank (W8F0920-BLK1)**

Prepared & Analyzed: 06/19/08

Glyphosate..... ND ug/l

LCS (W8F0920-BS1)

Prepared & Analyzed: 06/19/08

Glyphosate..... 24.0 ug/l 25.0 96 71-137

Matrix Spike (W8F0920-MS1)

Source: 8061827-01

Prepared & Analyzed: 06/19/08

Glyphosate.....ND 23.0 ug/l 25.0 92 68-134

Matrix Spike Dup (W8F0920-MSD1)

Source: 8061827-01

Prepared & Analyzed: 06/19/08

Glyphosate.....ND 24.2 ug/l 25.0 97 68-134 5 30

Weck Laboratories, Inc**Metals by EPA 200 Series Methods - Quality Control**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F1004 - EPA 200.2**Blank (W8F1004-BLK1)**

Prepared: 06/24/08 Analyzed: 06/26/08

Total Beryllium.....	ND	ug/l
Total Aluminum.....	ND	ug/l
Total Chromium.....	ND	ug/l
Total Manganese.....	ND	ug/l
Total Nickel.....	ND	ug/l
Total Copper.....	ND	ug/l
Total Zinc.....	ND	ug/l
Total Arsenic.....	ND	ug/l
Total Selenium.....	ND	ug/l
Total Silver.....	ND	ug/l
Total Cadmium.....	ND	ug/l
Total Antimony.....	ND	ug/l
Total Barium.....	ND	ug/l
Total Thallium.....	ND	ug/l
Total Lead.....	ND	ug/l

LCS (W8F1004-BS1)

Prepared: 06/24/08 Analyzed: 06/26/08

Total Beryllium.....	49.9	ug/l	50.0	100	85-115
Total Aluminum.....	51.1	ug/l	50.0	102	85-115
Total Chromium.....	46.6	ug/l	50.0	93	85-115
Total Manganese.....	49.4	ug/l	50.0	99	85-115
Total Nickel.....	47.4	ug/l	50.0	95	85-115



Certificate of Analysis

Weck Laboratories, Inc

Metals by EPA 200 Series Methods - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F1004 - EPA 200.2

LCS (W8F1004-BS1)

Prepared: 06/24/08 Analyzed: 06/26/08

Total Copper.....	48.5			ug/l	50.0	97	85-115		
Total Zinc.....	52.1			ug/l	50.0	104	85-115		
Total Arsenic.....	50.4			ug/l	50.0	101	85-115		
Total Selenium.....	50.5			ug/l	50.0	101	85-115		
Total Silver.....	45.9			ug/l	50.0	92	85-115		
Total Cadmium.....	48.7			ug/l	50.0	97	85-115		
Total Antimony.....	48.7			ug/l	50.0	97	85-115		
Total Barium.....	48.5			ug/l	50.0	97	85-115		
Total Thallium.....	48.6			ug/l	50.0	97	85-115		
Total Lead.....	49.2			ug/l	50.0	98	85-115		

Matrix Spike (W8F1004-MS1)

Source: 8061861-19

Prepared: 06/24/08 Analyzed: 06/30/08

Total Beryllium.....	ND	47.4		ug/l	50.0	95	70-130		
Total Aluminum.....	6.98	57.4		ug/l	50.0	101	70-130		
Total Chromium.....	0.287	54.2		ug/l	50.0	108	70-130		
Total Manganese.....	32.6	80.4		ug/l	50.0	96	70-130		
Total Nickel.....	1.01	52.4		ug/l	50.0	103	70-130		
Total Copper.....	4.83	56.6		ug/l	50.0	103	70-130		
Total Zinc.....	219	257		ug/l	50.0	75	70-130		
Total Arsenic.....	0.256	45.3		ug/l	50.0	90	70-130		
Total Selenium.....	0.557	47.5		ug/l	50.0	94	70-130		
Total Silver.....	0.0325	45.0		ug/l	50.0	90	70-130		
Total Cadmium.....	0.0226	46.6		ug/l	50.0	93	70-130		
Total Antimony.....	0.139	49.2		ug/l	50.0	98	70-130		
Total Barium.....	82.9	132		ug/l	50.0	99	70-130		
Total Thallium.....	ND	47.0		ug/l	50.0	94	70-130		
Total Lead.....	1.99	49.7		ug/l	50.0	95	70-130		

Matrix Spike Dup (W8F1004-MSD1)

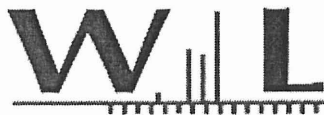
Source: 8061861-19

Prepared: 06/24/08 Analyzed: 06/30/08

Total Beryllium.....	ND	49.1		ug/l	50.0	98	70-130	3	30
Total Aluminum.....	6.98	56.3		ug/l	50.0	99	70-130	2	30
Total Chromium.....	0.287	50.7		ug/l	50.0	101	70-130	7	30
Total Manganese.....	32.6	78.6		ug/l	50.0	92	70-130	2	30
Total Nickel.....	1.01	49.2		ug/l	50.0	96	70-130	6	30
Total Copper.....	4.83	53.7		ug/l	50.0	98	70-130	5	30
Total Zinc.....	219	250	MS-02	ug/l	50.0	62	70-130	3	30
Total Arsenic.....	0.256	47.0		ug/l	50.0	93	70-130	4	30
Total Selenium.....	0.557	46.1		ug/l	50.0	91	70-130	3	30
Total Silver.....	0.0325	44.0		ug/l	50.0	88	70-130	2	30
Total Cadmium.....	0.0226	46.3		ug/l	50.0	92	70-130	0.6	30
Total Antimony.....	0.139	48.2		ug/l	50.0	96	70-130	2	30

Lab#: 8061861

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Certificate of Analysis

Weck Laboratories, Inc

Metals by EPA 200 Series Methods - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F1004 - EPA 200.2

Matrix Spike Dup (W8F1004-MSD1)

Source: 8061861-19

Prepared: 06/24/08 Analyzed: 06/30/08

Total Barium.....	82.9	131		ug/l	50.0	96	70-130	1	30
Total Thallium.....	ND	45.8		ug/l	50.0	92	70-130	3	30
Total Lead.....	1.99	48.5		ug/l	50.0	93	70-130	3	30

Weck Laboratories, Inc

Perchlorate by EPA 314.0 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0925 - EPA 314.0, dir. inj.

Blank (W8F0925-BLK1)

Prepared & Analyzed: 06/20/08

Perchlorate.....		ND		ug/l					
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LCS (W8F0925-BS1)

Prepared & Analyzed: 06/20/08

Perchlorate.....		17.4		ug/l	20.0	87	85-115		
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Matrix Spike (W8F0925-MS1)

Source: 8061844-01

Prepared & Analyzed: 06/20/08

Perchlorate.....	0.653	19.4		ug/l	20.0	94	80-120		
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Matrix Spike Dup (W8F0925-MSD1)

Source: 8061844-01

Prepared & Analyzed: 06/20/08

Perchlorate.....	0.653	18.8		ug/l	20.0	91	80-120	4	15
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Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

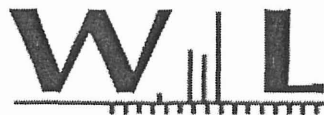
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0873 - EPA 525.2

Blank (W8F0873-BLK1)

Prepared: 06/23/08 Analyzed: 06/24/08

Surrogate: 1,3-Dimethyl-2-NB		4.83		ug/l	5.00	97	73-136		
Surrogate: 1,3-Dimethyl-2-NB		4.83		ug/l	5.00	97	73-136		
Surrogate: Perylene-d12		4.09		ug/l	5.00	82	48-141		
Surrogate: Perylene-d12		4.09		ug/l	5.00	82	48-141		
Surrogate: Triphenyl phosphate		4.63		ug/l	5.00	93	71-150		
Surrogate: Triphenyl phosphate		4.63		ug/l	5.00	93	71-150		
Benzo (a) pyrene.....		ND		ug/l					
Alachlor.....		ND		ug/l					
Bis(2-ethylhexyl)adipate.....		ND		ug/l					



Certificate of Analysis

Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0873 - EPA 525.2

Blank (W8F0873-BLK1)

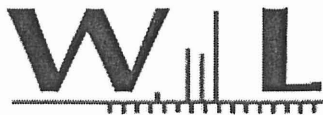
Prepared: 06/23/08 Analyzed: 06/24/08

Atrazine.....	ND	ug/l
Bromacil.....	ND	ug/l
Bis(2-ethylhexyl)phthalate.....	ND	ug/l
Butachlor.....	ND	ug/l
Alachlor.....	ND	ug/l
Atrazine.....	ND	ug/l
Diazinon.....	ND	ug/l
Bromacil.....	ND	ug/l
Dimethoate.....	ND	ug/l
Butachlor.....	ND	ug/l
Metolachlor.....	ND	ug/l
Diazinon.....	ND	ug/l
Dimethoate.....	ND	ug/l
Metribuzin.....	ND	ug/l
Molinate.....	ND	ug/l
Prometon.....	ND	ug/l
Prometryn.....	ND	ug/l
Metolachlor.....	ND	ug/l
Simazine.....	ND	ug/l
Metribuzin.....	ND	ug/l
Thiobencarb.....	ND	ug/l
Molinate.....	ND	ug/l
Prometon.....	ND	ug/l
Prometryn.....	ND	ug/l
Simazine.....	ND	ug/l
Thiobencarb.....	ND	ug/l

LCS (W8F0873-BS1)

Prepared: 06/23/08 Analyzed: 06/24/08

Surrogate: 1,3-Dimethyl-2-NB	5.05	ug/l	5.00	101	73-136
Surrogate: 1,3-Dimethyl-2-NB	5.05	ug/l	5.00	101	73-136
Surrogate: Perylene-d12	4.58	ug/l	5.00	92	48-141
Surrogate: Perylene-d12	4.58	ug/l	5.00	92	48-141
Surrogate: Triphenyl phosphate	4.65	ug/l	5.00	93	71-150
Surrogate: Triphenyl phosphate	4.65	ug/l	5.00	93	71-150
Benzo (a) pyrene.....	4.24	ug/l	5.00	85	70-130
Alachlor.....	5.38	ug/l	5.00	108	68-141
Atrazine.....	4.43	ug/l	5.00	89	70-130
Bis(2-ethylhexyl)adipate.....	3.57	ug/l	5.00	71	70-130
Bromacil.....	4.62	ug/l	5.00	92	40-139
Bis(2-ethylhexyl)phthalate.....	3.61	ug/l	5.00	72	70-130
Alachlor.....	5.38	ug/l	5.00	108	68-141



Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

Certificate of Analysis

Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0873 - EPA 525.2

LCS (W8F0873-BS1)

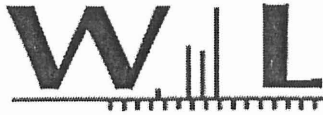
Prepared: 06/23/08 Analyzed: 06/24/08

Butachlor.....	5.18			ug/l	5.00	104	60-154		
Atrazine.....	4.43			ug/l	5.00	89	70-130		
Bromacil.....	4.62			ug/l	5.00	92	40-139		
Diazinon.....	5.14			ug/l	5.00	103	51-128		
Dimethoate.....	2.55			ug/l	5.00	51	11-180		
Butachlor.....	5.18			ug/l	5.00	104	60-154		
Metolachlor.....	5.15			ug/l	5.00	103	64-149		
Diazinon.....	5.14			ug/l	5.00	103	51-128		
Metribuzin.....	4.49			ug/l	5.00	90	52-130		
Dimethoate.....	2.55			ug/l	5.00	51	11-180		
Molinate.....	5.11			ug/l	5.00	102	70-130		
Prometon.....	2.38			ug/l	5.00	48	12-154		
Prometryn.....	3.50			ug/l	5.00	70	51-147		
Simazine.....	4.33			ug/l	5.00	87	53-131		
Metolachlor.....	5.15			ug/l	5.00	103	64-149		
Metribuzin.....	4.49			ug/l	5.00	90	52-130		
Thiobencarb.....	5.15			ug/l	5.00	103	70-132		
Molinate.....	5.11			ug/l	5.00	102	70-130		
Prometon.....	2.38			ug/l	5.00	48	12-154		
Prometryn.....	3.50			ug/l	5.00	70	51-147		
Simazine.....	4.33			ug/l	5.00	87	53-131		
Thiobencarb.....	5.15			ug/l	5.00	103	70-132		

LCS Dup (W8F0873-BSD1)

Prepared: 06/23/08 Analyzed: 06/24/08

Surrogate: 1,3-Dimethyl-2-NB	5.14			ug/l	5.00	103	73-136		
Surrogate: 1,3-Dimethyl-2-NB	5.14			ug/l	5.00	103	73-136		
Surrogate: Perylene-d12	5.14			ug/l	5.00	103	48-141		
Surrogate: Perylene-d12	5.14			ug/l	5.00	103	48-141		
Surrogate: Triphenyl phosphate	4.71			ug/l	5.00	94	71-150		
Surrogate: Triphenyl phosphate	4.71			ug/l	5.00	94	71-150		
Alachlor.....	4.92			ug/l	5.00	98	68-141	9	30
Benzo (a) pyrene.....	4.48			ug/l	5.00	90	70-130	6	30
Bis(2-ethylhexyl)adipate.....	4.14			ug/l	5.00	83	70-130	15	30
Atrazine.....	3.83			ug/l	5.00	77	70-130	15	30
Bis(2-ethylhexyl)phthalate.....	4.14			ug/l	5.00	83	70-130	14	30
Bromacil.....	4.59			ug/l	5.00	92	40-139	0.7	30
Butachlor.....	4.90			ug/l	5.00	98	60-154	6	30
Alachlor.....	4.92			ug/l	5.00	98	68-141	9	30
Atrazine.....	3.83			ug/l	5.00	77	70-130	15	30
Bromacil.....	4.59			ug/l	5.00	92	40-139	0.7	30
Diazinon.....	4.42			ug/l	5.00	88	51-128	15	30



Certificate of Analysis

Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0873 - EPA 525.2

LCS Dup (W8F0873-BSD1)

Prepared: 06/23/08 Analyzed: 06/24/08

Butachlor.....	4.90			ug/l	5.00	98	60-154	6	30
Dimethoate.....	2.47			ug/l	5.00	49	11-180	3	30
Diazinon.....	4.42			ug/l	5.00	88	51-128	15	30
Metolachlor.....	5.07			ug/l	5.00	101	64-149	2	30
Metribuzin.....	4.14			ug/l	5.00	83	52-130	8	30
Dimethoate.....	2.47			ug/l	5.00	49	11-180	3	30
Molinate.....	5.22			ug/l	5.00	104	70-130	2	30
Prometon.....	1.67		Q-12	ug/l	5.00	33	12-154	35	30
Prometryn.....	3.24			ug/l	5.00	65	51-147	8	30
Metolachlor.....	5.07			ug/l	5.00	101	64-149	2	30
Simazine.....	3.50			ug/l	5.00	70	53-131	21	30
Metribuzin.....	4.14			ug/l	5.00	83	52-130	8	30
Molinate.....	5.22			ug/l	5.00	104	70-130	2	30
Thiobencarb.....	5.10			ug/l	5.00	102	70-132	1	30
Prometon.....	1.67		Q-12	ug/l	5.00	33	12-154	35	30
Prometryn.....	3.24			ug/l	5.00	65	51-147	8	30
Simazine.....	3.50			ug/l	5.00	70	53-131	21	30
Thiobencarb.....	5.10			ug/l	5.00	102	70-132	1	30

Weck Laboratories, Inc

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0905 - EPA 524.2

Blank (W8F0905-BLK1)

Prepared & Analyzed: 06/20/08

Surrogate: 1,2-Dichlorobenzene-d4	10.0			ug/l	10.0	100	70-130		
Surrogate: 4-Bromofluorobenzene	10.0			ug/l	10.0	100	70-130		
Dichlorodifluoromethane (Freon 12).....	ND			ug/l					
Chloromethane.....	ND			ug/l					
Vinyl chloride.....	ND			ug/l					
Bromomethane.....	ND			ug/l					
Chloroethane.....	ND			ug/l					
Trichlorofluoromethane.....	ND			ug/l					
Freon 113.....	ND			ug/l					
1,1-Dichloroethene.....	ND			ug/l					
Methylene chloride.....	ND			ug/l					
trans-1,2-Dichloroethene.....	ND			ug/l					
Methyl tert-butyl ether (MTBE).....	ND			ug/l					



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Weck Laboratories, Inc

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0905 - EPA 524.2									
Blank (W8F0905-BLK1)					Prepared & Analyzed: 06/20/08				
1,1-Dichloroethane.....		ND		ug/l					
Di-isopropyl ether.....		ND		ug/l					
Ethyl tert-butyl ether.....		ND		ug/l					
2-Butanone.....		ND		ug/l					
2,2-Dichloropropane.....		ND		ug/l					
cis-1,2-Dichloroethene.....		ND		ug/l					
Bromochloromethane.....		ND		ug/l					
Chloroform.....		ND		ug/l					
1,1,1-Trichloroethane.....		ND		ug/l					
Carbon tetrachloride.....		ND		ug/l					
1,1-Dichloropropene.....		ND		ug/l					
Benzene.....		ND		ug/l					
1,2-Dichloroethane.....		ND		ug/l					
Tert-amyl methyl ether.....		ND		ug/l					
Trichloroethene.....		ND		ug/l					
1,2-Dichloropropane.....		ND		ug/l					
Dibromomethane.....		ND		ug/l					
Bromodichloromethane.....		ND		ug/l					
cis-1,3-Dichloropropene.....		ND		ug/l					
4-Methyl-2-pentanone.....		ND		ug/l					
2-Chloroethyl vinyl ether.....		ND		ug/l					
Toluene.....		ND		ug/l					
trans-1,3-Dichloropropene.....		ND		ug/l					
1,1,2-Trichloroethane.....		ND		ug/l					
Tetrachloroethene.....		ND		ug/l					
1,3-Dichloropropane.....		ND		ug/l					
Dibromochloromethane.....		ND		ug/l					
2-Hexanone.....		ND		ug/l					
Chlorobenzene.....		ND		ug/l					
1,1,1,2-Tetrachloroethane.....		ND		ug/l					
Ethylbenzene.....		ND		ug/l					
m,p-Xylene.....		ND		ug/l					
o-Xylene.....		ND		ug/l					
Styrene.....		ND		ug/l					
Bromoform.....		ND		ug/l					
Isopropylbenzene.....		ND		ug/l					
Bromobenzene.....		ND		ug/l					
1,1,2,2-Tetrachloroethane.....		ND		ug/l					
1,2,3-Trichloropropane.....		ND		ug/l					
n-Propylbenzene.....		ND		ug/l					
2-Chlorotoluene.....		ND		ug/l					



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Weck Laboratories, Inc

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Batch W8F0905 - EPA 524.2

Blank (W8F0905-BLK1)

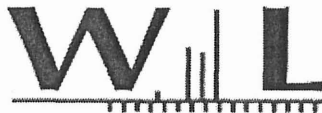
Prepared & Analyzed: 06/20/08

4-Chlorotoluene.....	ND	ug/l
1,3,5-Trimethylbenzene.....	ND	ug/l
tert-Butylbenzene.....	ND	ug/l
1,2,4-Trimethylbenzene.....	ND	ug/l
sec-Butylbenzene.....	ND	ug/l
m-Dichlorobenzene.....	ND	ug/l
p-Isopropyltoluene.....	ND	ug/l
p-Dichlorobenzene.....	ND	ug/l
o-Dichlorobenzene.....	ND	ug/l
n-Butylbenzene.....	ND	ug/l
1,2,4-Trichlorobenzene.....	ND	ug/l
Hexachlorobutadiene.....	ND	ug/l
Naphthalene.....	ND	ug/l
1,2,3-Trichlorobenzene.....	ND	ug/l
Xylenes (total).....	ND	ug/l
1,3 Dichloropropene (Total).....	ND	ug/l

LCS (W8F0905-BS1)

Prepared & Analyzed: 06/20/08

Surrogate: 1,2-Dichlorobenzene-d4	10.7	ug/l	10.0	107	70-130
Surrogate: 4-Bromofluorobenzene	10.6	ug/l	10.0	106	70-130
Dichlorodifluoromethane (Freon 12).....	5.33	ug/l	6.00	89	70-130
Chloromethane.....	5.40	ug/l	6.00	90	70-130
Vinyl chloride.....	5.62	ug/l	6.00	94	70-130
Bromomethane.....	6.61	ug/l	6.00	110	70-130
Chloroethane.....	5.72	ug/l	6.00	95	70-130
Trichlorofluoromethane.....	5.99	ug/l	6.00	100	70-130
Freon 113.....	5.90	ug/l	6.00	98	70-130
1,1-Dichloroethene.....	5.81	ug/l	6.00	97	70-130
Methylene chloride.....	5.67	ug/l	6.00	94	70-130
trans-1,2-Dichloroethene.....	5.84	ug/l	6.00	97	70-130
Methyl tert-butyl ether (MTBE).....	5.64	ug/l	6.00	94	70-130
1,1-Dichloroethane.....	5.77	ug/l	6.00	96	70-130
Di-isopropyl ether.....	5.69	ug/l	6.00	95	70-130
Ethyl tert-butyl ether.....	5.60	ug/l	6.00	93	70-130
2-Butanone.....	5.29	ug/l	6.00	88	70-130
2,2-Dichloropropane.....	7.35	ug/l	6.00	122	70-130
cis-1,2-Dichloroethene.....	5.78	ug/l	6.00	96	70-130
Bromochloromethane.....	5.67	ug/l	6.00	94	70-130
Chloroform.....	5.79	ug/l	6.00	96	70-130
1,1,1-Trichloroethane.....	6.04	ug/l	6.00	101	70-130
Carbon tetrachloride.....	6.11	ug/l	6.00	102	70-130

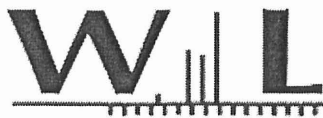


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Weck Laboratories, Inc

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0905 - EPA 524.2									
LCS (W8F0905-BS1)					Prepared & Analyzed: 06/20/08				
1,1-Dichloropropene.....		6.11		ug/l	6.00	102	70-130		
Benzene.....		5.87		ug/l	6.00	98	70-130		
1,2-Dichloroethane.....		5.52		ug/l	6.00	92	70-130		
Tert-amyl methyl ether.....		5.67		ug/l	6.00	94	70-130		
Trichloroethene.....		5.84		ug/l	6.00	97	70-130		
1,2-Dichloropropane.....		5.68		ug/l	6.00	95	70-130		
Dibromomethane.....		5.65		ug/l	6.00	94	70-130		
Bromodichloromethane.....		5.77		ug/l	6.00	96	70-130		
cis-1,3-Dichloropropene.....		5.94		ug/l	6.00	99	70-130		
4-Methyl-2-pentanone.....		5.44		ug/l	6.00	91	70-130		
2-Chloroethyl vinyl ether.....		5.57		ug/l	6.00	93	70-130		
Toluene.....		6.06		ug/l	6.00	101	70-130		
trans-1,3-Dichloropropene.....		5.94		ug/l	6.00	99	70-130		
1,1,2-Trichloroethane.....		5.65		ug/l	6.00	94	70-130		
Tetrachloroethene.....		6.03		ug/l	6.00	100	70-130		
1,3-Dichloropropane.....		5.64		ug/l	6.00	94	70-130		
Dibromochloromethane.....		5.73		ug/l	6.00	96	70-130		
2-Hexanone.....		5.45		ug/l	6.00	91	70-130		
Chlorobenzene.....		5.99		ug/l	6.00	100	70-130		
1,1,1,2-Tetrachloroethane.....		5.92		ug/l	6.00	99	70-130		
Ethylbenzene.....		6.27		ug/l	6.00	104	70-130		
m,p-Xylene.....		12.5		ug/l	12.0	104	70-130		
o-Xylene.....		6.18		ug/l	6.00	103	70-130		
Styrene.....		6.22		ug/l	6.00	104	70-130		
Bromoform.....		5.83		ug/l	6.00	97	70-130		
Isopropylbenzene.....		6.37		ug/l	6.00	106	70-130		
Bromobenzene.....		5.80		ug/l	6.00	97	70-130		
1,1,2,2-Tetrachloroethane.....		5.75		ug/l	6.00	96	70-130		
1,2,3-Trichloropropane.....		5.80		ug/l	6.00	97	70-130		
n-Propylbenzene.....		6.21		ug/l	6.00	104	70-130		
2-Chlorotoluene.....		6.04		ug/l	6.00	101	70-130		
4-Chlorotoluene.....		6.08		ug/l	6.00	101	70-130		
1,3,5-Trimethylbenzene.....		6.28		ug/l	6.00	105	70-130		
tert-Butylbenzene.....		6.38		ug/l	6.00	106	70-130		
1,2,4-Trimethylbenzene.....		6.20		ug/l	6.00	103	70-130		
sec-Butylbenzene.....		6.40		ug/l	6.00	107	70-130		
m-Dichlorobenzene.....		5.87		ug/l	6.00	98	70-130		
p-Isopropyltoluene.....		6.48		ug/l	6.00	108	70-130		
p-Dichlorobenzene.....		5.86		ug/l	6.00	98	70-130		
o-Dichlorobenzene.....		5.74		ug/l	6.00	96	70-130		
n-Butylbenzene.....		6.48		ug/l	6.00	108	70-130		



Certificate of Analysis

Weck Laboratories, Inc

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0905 - EPA 524.2									
LCS (W8F0905-BS1)					Prepared & Analyzed: 06/20/08				
1,2,4-Trichlorobenzene.....		6.04		ug/l	6.00	101	70-130		
Hexachlorobutadiene.....		6.41		ug/l	6.00	107	70-130		
Naphthalene.....		5.88		ug/l	6.00	98	70-130		
1,2,3-Trichlorobenzene.....		5.85		ug/l	6.00	98	70-130		
Carbon Disulfide.....		5.85		ug/l	6.00	98	70-130		
Acetone.....		4.39		ug/l	6.00	73	70-130		
LCS Dup (W8F0905-BSD1)					Prepared & Analyzed: 06/20/08				
Surrogate: 1,2-Dichlorobenzene-d4		10.7		ug/l	10.0	107	70-130		
Surrogate: 4-Bromofluorobenzene		10.6		ug/l	10.0	106	70-130		
Dichlorodifluoromethane (Freon 12).....	4.93			ug/l	6.00	82	70-130	8	30
Chloromethane.....	5.27			ug/l	6.00	88	70-130	2	30
Vinyl chloride.....	5.34			ug/l	6.00	89	70-130	5	30
Bromomethane.....	6.26			ug/l	6.00	104	70-130	5	30
Chloroethane.....	5.57			ug/l	6.00	93	70-130	3	30
Trichlorofluoromethane.....	5.52			ug/l	6.00	92	70-130	8	30
Freon 113.....	5.37			ug/l	6.00	90	70-130	9	30
1,1-Dichloroethene.....	5.57			ug/l	6.00	93	70-130	4	30
Methylene chloride.....	5.68			ug/l	6.00	95	70-130	0.2	30
trans-1,2-Dichloroethene.....	5.70			ug/l	6.00	95	70-130	2	30
Methyl tert-butyl ether (MTBE).....	5.78			ug/l	6.00	96	70-130	2	30
1,1-Dichloroethane.....	5.72			ug/l	6.00	95	70-130	0.9	30
Di-isopropyl ether.....	5.85			ug/l	6.00	98	70-130	3	30
Ethyl tert-butyl ether.....	5.76			ug/l	6.00	96	70-130	3	30
2-Butanone.....	5.22			ug/l	6.00	87	70-130	1	30
2,2-Dichloropropane.....	5.84			ug/l	6.00	97	70-130	23	30
cis-1,2-Dichloroethene.....	5.81			ug/l	6.00	97	70-130	0.5	30
Bromochloromethane.....	5.72			ug/l	6.00	95	70-130	0.9	30
Chloroform.....	5.78			ug/l	6.00	96	70-130	0.2	30
1,1,1-Trichloroethane.....	5.75			ug/l	6.00	96	70-130	5	30
Carbon tetrachloride.....	5.80			ug/l	6.00	97	70-130	5	30
1,1-Dichloropropene.....	5.90			ug/l	6.00	98	70-130	3	30
Benzene.....	5.86			ug/l	6.00	98	70-130	0.2	30
1,2-Dichloroethane.....	5.50			ug/l	6.00	92	70-130	0.4	30
Tert-amyl methyl ether.....	5.82			ug/l	6.00	97	70-130	3	30
Trichloroethene.....	5.66			ug/l	6.00	94	70-130	3	30
1,2-Dichloropropane.....	5.74			ug/l	6.00	96	70-130	1	30
Dibromomethane.....	5.61			ug/l	6.00	94	70-130	0.7	30
Bromodichloromethane.....	5.77			ug/l	6.00	96	70-130	0	30
cis-1,3-Dichloropropene.....	6.06			ug/l	6.00	101	70-130	2	30
4-Methyl-2-pentanone.....	5.78			ug/l	6.00	96	70-130	6	30

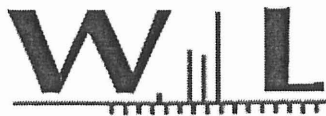


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Weck Laboratories, Inc

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8F0905 - EPA 524.2									
LCS Dup (W8F0905-BSD1)					Prepared & Analyzed: 06/20/08				
2-Chloroethyl vinyl ether.....		5.65		ug/l	6.00	94	70-130	1	30
Toluene.....		5.98		ug/l	6.00	100	70-130	1	30
trans-1,3-Dichloropropene.....		6.03		ug/l	6.00	100	70-130	2	30
1,1,2-Trichloroethane.....		5.70		ug/l	6.00	95	70-130	0.9	30
Tetrachloroethene.....		5.81		ug/l	6.00	97	70-130	4	30
1,3-Dichloropropane.....		5.74		ug/l	6.00	96	70-130	2	30
Dibromochloromethane.....		5.82		ug/l	6.00	97	70-130	2	30
2-Hexanone.....		5.59		ug/l	6.00	93	70-130	3	30
Chlorobenzene.....		5.99		ug/l	6.00	100	70-130	0	30
1,1,1,2-Tetrachloroethane.....		5.91		ug/l	6.00	98	70-130	0.2	30
Ethylbenzene.....		6.16		ug/l	6.00	103	70-130	2	30
m,p-Xylene.....		12.3		ug/l	12.0	103	70-130	2	30
o-Xylene.....		6.16		ug/l	6.00	103	70-130	0.3	30
Styrene.....		6.19		ug/l	6.00	103	70-130	0.5	30
Bromoform.....		5.94		ug/l	6.00	99	70-130	2	30
Isopropylbenzene.....		6.22		ug/l	6.00	104	70-130	2	30
Bromobenzene.....		5.83		ug/l	6.00	97	70-130	0.5	30
1,1,2,2-Tetrachloroethane.....		5.87		ug/l	6.00	98	70-130	2	30
1,2,3-Trichloropropane.....		5.83		ug/l	6.00	97	70-130	0.5	30
n-Propylbenzene.....		6.02		ug/l	6.00	100	70-130	3	30
2-Chlorotoluene.....		5.99		ug/l	6.00	100	70-130	0.8	30
4-Chlorotoluene.....		6.07		ug/l	6.00	101	70-130	0.2	30
1,3,5-Trimethylbenzene.....		6.19		ug/l	6.00	103	70-130	1	30
tert-Butylbenzene.....		6.19		ug/l	6.00	103	70-130	3	30
1,2,4-Trimethylbenzene.....		6.18		ug/l	6.00	103	70-130	0.3	30
sec-Butylbenzene.....		6.12		ug/l	6.00	102	70-130	4	30
m-Dichlorobenzene.....		5.88		ug/l	6.00	98	70-130	0.2	30
p-Isopropyltoluene.....		6.30		ug/l	6.00	105	70-130	3	30
p-Dichlorobenzene.....		5.89		ug/l	6.00	98	70-130	0.5	30
o-Dichlorobenzene.....		5.78		ug/l	6.00	96	70-130	0.7	30
n-Butylbenzene.....		6.27		ug/l	6.00	104	70-130	3	30
1,2,4-Trichlorobenzene.....		6.19		ug/l	6.00	103	70-130	2	30
Hexachlorobutadiene.....		6.19		ug/l	6.00	103	70-130	3	30
Naphthalene.....		6.32		ug/l	6.00	105	70-130	7	30
1,2,3-Trichlorobenzene.....		6.27		ug/l	6.00	104	70-130	7	30
Carbon Disulfide.....		5.51		ug/l	6.00	92	70-130	6	30
Acetone.....		4.62		ug/l	6.00	77	70-130	5	30



Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

Certificate of Analysis



Authorized Signature

Contact: Kim G Tu

(Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA



The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).

Sub = Subcontracted analysis, original report enclosed.

Dil = Dilution Factor

MDL = Method Detection Limit

MDA = Minimum Detectable Activity

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Flags for Data Qualifiers:

A-01 = Sample received without proper preservation and was preserved at the lab upon receiving. Sample also was received in an incorrect container.

MS-02 = The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Q-12 = The RPD result exceeded the QC control limits possibly due to a possible matrix effect; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.

S-04 = The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.



Analytical Laboratory Services • Since 1964
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Tel 626-336-2139 • Fax 626-336-2634 • www.wecklabs.com

CHAIN OF CUSTODY RECORD

Page 1 of 3

091361

CLIENT NAME:		PROJECT:		PHONE #:		FAX #:		E MAIL:		PO #:	
American Scientific Labs.		38291		323 223 9700		323 223 9500					
ADDRESS: 2520 N. San Fernando Road		PROJECT MANAGER:		SAMPLER:							
L.A. CA 90065		Molloy Brian									
ID#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	ANALYSIS REQUESTED	SPECIAL HANDLING	COMMENTS	Charges Will Apply For Weekends And Holidays	Method of Shipment	
6-14-08	9:34	W	219969	2-liter Ambul	X	508.2 (S. VOCs)	<input type="checkbox"/> Same Day Rush 150%	* 200-8/245-1 Metakore			
	9:35		219970	2-liter	X	508.1 (Endo ball)	<input type="checkbox"/> 24 Hour Rush 100%	(AL, Sh, AS, Ba, Be, Cd,			
	9:39		219972	2-liter	X	508.1 (Endo ball)	<input type="checkbox"/> 48-72 Hour Rush 75%	(, Hg, Ni, Se, TL)			
	9:41		219973	500ml		508.1 (Endo ball)	<input type="checkbox"/> 4-5 Day Rush 30%				
	9:42		219974	1-liter plastic		508.1 (Endo ball)	<input type="checkbox"/> Rush Extraction 50%				
	9:44		219975	500ml plastic		508.1 (Endo ball)	<input type="checkbox"/> 10-15 Business Days				
	9:45		219978	500ml plastic		508.1 (Endo ball)	<input type="checkbox"/> QA/QC Package				
	9:48		219979	300 ml		508.1 (Endo ball)					
	9:48		219980	300 ml		508.1 (Endo ball)					
	9:49		219981	300 ml		508.1 (Endo ball)					
RELINQUISHED BY:		RECEIVED BY:		DATE / TIME		SAMPLE CONDITION:		SAMPLE TYPE CODE:			
SIGNATURE		SIGNATURE		6/14/08 1305		Actual Temperature:		AQ = Aqueous			
PRINT NAME		PRINT NAME		James Gmel		Received On Ice		NA = Non Aqueous			
SIGNATURE		SIGNATURE				Preserved		SL = Sludge			
PRINT NAME		PRINT NAME				Evidence Seals Present		DW = Drinking Water			
SIGNATURE		SIGNATURE				Container Attacked		RW = Rain Water			
PRINT NAME		PRINT NAME				Preserved at Lab		GW = Ground Water			
SIGNATURE		SIGNATURE						SO = Soil			
PRINT NAME		PRINT NAME						SW = Solid Waste			
SIGNATURE		SIGNATURE						OL = Oil			
PRINT NAME		PRINT NAME						OT = Other Matrix			
<p>PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM).</p> <p>SPECIAL REQUIREMENTS / BILLING INFORMATION</p>											



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CHAIN OF CUSTODY RECORD

Page 2 Of 3

CLIENT NAME: <u>American Scientific Labs.</u>		PROJECT:	
ADDRESS: <u>2520 N. San Fernando Road</u> <u>L.A. CA 90065</u>		PHONE #: <u>323 223 9700</u>	
PROJECT MANAGER: <u>Molly Braun</u>		FAX #: <u>323 223 9500</u>	
SAMPLER:		E MAIL:	
		P.O.#:	

ID# (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	ANALYSIS REQUESTED										SPECIAL HANDLING		COMMENTS
	6-14-08	9:50	W	219982	3 VOA	X												200-8/245-1 * See page 1
		9:51		219983	3 VOA	X												
		10:19		219985	2 liter Amber		X											
		10:21		219986	1 liter			X										
		10:23		219987	2 liter				X									
		10:26		219988	500mL Amber					X								
		10:28		219989	"						X							
		10:30		219991	1 liter Plastic							X						
		10:30 ³		219994	250 mL Plastic								X					
		10:34		219995	500mL Plastic										X			

RELINQUISHED BY:		DATE / TIME	RECEIVED BY:		SAMPLE CONDITION:		SAMPLE TYPE CODE:	
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	Actual Temperature: <u>43°C</u>		AQ = Aqueous NA = Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix	
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	Received On Ice			
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	Preserved			
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	Evidence Seals Present			
					Container Attacked			
					Preserved at Lab			

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM).	SPECIAL REQUIREMENTS / BILLING INFORMATION
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CHAIN OF CUSTODY RECORD

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0061361

CLIENT NAME:		PROJECT:		ANALYSIS REQUESTED		SPECIAL HANDLING	
American Scientific Labs.		PHONE #: 323 223 9700		547 (Glyphosate)		<input type="checkbox"/> Same Day Rush 150% <input type="checkbox"/> 24 Hour Rush 100% <input type="checkbox"/> 48 - 72 Hour Rush 75% <input type="checkbox"/> 4 - 5 Day Rush 30% <input type="checkbox"/> Rush Extraction 50% <input checked="" type="checkbox"/> 10 - 15 Business Days <input checked="" type="checkbox"/> QA/QC Package	
ADDRESS: 9530 N. San Fernando Road		FAX #: 323 223 9500		547.1 (Cuba mate)		Charges Will Apply For Weekends And Holidays	
PROJECT MANAGER: L.A. CA 90065		E MAIL:		504.1 (EBB, DRCP)		Method of Shipment	
SAMPLER: MOLBY BIAI		PO #:		547.2 (SVOCs)		COMMENTS	
ID#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.		
	6-14-08	10:35	W	219996	3VOA	X	
		10:37		219997	u	X	
		10:38		210008	u	X	
		10:39		210009	u	X	
		10:40		210010	u	X	No sample
RELINQUISHED BY:		DATE / TIME		RECEIVED BY:		SAMPLE CONDITION:	
SIGNATURE Alex	6/18/08 1305	SIGNATURE James Lumbel		Actual Temperature: 43C		AD = Aqueous NA = Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix	
SIGNATURE	PRINT NAME Alex	SIGNATURE		PRINT NAME James Lumbel		Received On Ice Y / N Preserved Y / N Evidence Seals Present Y / N Container Attacked Y / N Preserved at Lab Y / N	
SIGNATURE	PRINT NAME	SIGNATURE		PRINT NAME			
PRESCHEДУLED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM).							



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

July 1, 2008

TestAmerica Project Number: G8F180317

PO/Contract:

Molky Brar
American Scientific Lab
2520 N. San Fernando Rd
Los Angeles, CA 90065

Dear Mr. Brar,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on June 18, 2008. These samples are associated with your 38232 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4383.

Sincerely,



David R. Alltucker
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G8F180317

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

WATER, 1613B 2,3,7,8-TCDD

Samples: 1, 2

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G8F180317

There were no anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0616	Oregon*	CA 200005
Arkansas	04-067-0	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014002
Colorado	NA	Texas	TX 270-2004A
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C087
Hawaii	NA	West Virginia	9930C, 334
Kansas*	E10375	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G8F180317

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
KP6VG	1	219971	6/14/2008 09:38 AM	6/18/2008 08:10 AM
KP6VJ	2	219984	6/14/2008 10:17 AM	6/18/2008 08:10 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis, color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

STL-4124 (0901)

Client American Scientific Labs.		Project Manager Molloy Brian		Date 6-17-08		Chain of Custody Number 142180	
Address 2530 N. San Fernando Road		Telephone Number (Area Code)/Fax Number 323 223 9700 323 223 9500		Lab Number		Page 1 of 1	
City L.A.	State CA	Zip Code 90065	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)		
Project Name and Location (State) ASL JOB # 38232			Carrier/Waybill Number				
Contract/Purchase Order/Quote No			Containers &		Special Instructions/ Conditions of Receipt		

[illegible]

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client
<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months				
Turn Around Time Required			QC Requirements (Specify)		
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input checked="" type="checkbox"/> 21 Days	<input type="checkbox"/> Other <u>Normal</u>
1 Relinquished By <u>Janet Chun</u>		Date <u>6/17/08</u>	Time <u>4:00</u>	1 Received By <u>Chengli</u>	
2 Relinquished By		Date	Time	2 Received By	
3 Relinquished By		Date	Time	3 Received By	
		Date	Time		

CLIENT American Scientific Lab PM DA LOG # 52626

LOT# (QUANTIMS ID) G8F180317 QUOTE# 35699 LOCATION W12D

DATE RECEIVED 6/18/08 TIME RECEIVED 0810 Initials CV Date 6/18/08

DELIVERED BY ☐ FEDEX ☐ CA OVERNIGHT ☐ CLIENT
☐ AIRBORNE ☒ GOLDENSTATE ☐ DHL
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS
☐ TAL COURIER ☐ VALLEY LOGISTICS ☐ MORGAN HILL COURIER
☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) ☐ TAL ☒ CLIENT ☐ N/A

TEMPERATURE RECORD (IN °C) IR 4 ☐ 5 ☒ OTHER _____

COC #(S) 142180

TEMPERATURE BLANK Observed: N/A Corrected: _____

SAMPLE TEMPERATURE

Observed: 2 2 Average: 2 Corrected Average: 2

COLLECTOR'S NAME: ☐ Verified from COC ☒ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY: _____

LABELS CHECKED BY: _____

PEER REVIEW ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C - 6 °C)*1 ☒ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes: _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Bottle Lot Inventory

Lot
ID:

G8F180317

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB	s																			
___AGJ	1	1																		
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

LEAVE NO SPACES BLANK. USE "NA" IF NOT APPLICABLE

G8F180317

TestAmerica West Sacramento (916) 373 - 5600

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WATER, 1613B
2,3,7,8-TCDD

American Scientific Laboratories LLC

Client Sample ID: 219971

Trace Level Organic Compounds

Lot-Sample #...: G8F180317-001 Work Order #...: KP6VG1AA Matrix.....: WATER
Date Sampled...: 06/14/08 Date Received...: 06/18/08
Prep Date.....: 06/25/08 Analysis Date...: 06/28/08
Prep Batch #...: 8177442
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	ND	5.0	pg/L	EPA-5 1613B-Tetra

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	32	(25 - 141)

American Scientific Laboratories LLC

Client Sample ID: 219984

Trace Level Organic Compounds

Lot-Sample #....: G8F180317-002 Work Order #....: KP6VJ1AA Matrix.....: WATER
Date Sampled....: 06/14/08 Date Received...: 06/18/08
Prep Date.....: 06/25/08 Analysis Date...: 06/28/08
Prep Batch #....: 8177442
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	ND	5.0	pg/L	EPA-5 1613B-Tetra

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	47	(25 - 141)

QC DATA ASSOCIATION SUMMARY

G8F180317

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	EPA-5 1613B-Tetra		8177442	
002	WATER	EPA-5 1613B-Tetra		8177442	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8F180317 Work Order #...: KQJ6X1AA Matrix.....: WATER
 MB Lot-Sample #: G8F250000-442
 Analysis Date...: 06/28/08 Prep Date.....: 06/25/08
 Dilution Factor: 1 Prep Batch #...: 8177442

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	5.0	pg/L	EPA-5 1613B-Tetra

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	52	(25 - 141)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8F180317 Work Order #...: KQJ6X1AC Matrix.....: WATER
 LCS Lot-Sample#: G8F250000-442
 Prep Date.....: 06/25/08 Analysis Date...: 06/28/08
 Prep Batch #...: 8177442
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	105	(73 - 146)	EPA-5 1613B-Tetras

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	60	(25 - 141)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G8F180317 Work Order #....: KQJ6X1AC Matrix.....: WATER
 LCS Lot-Sample#: G8F250000-442
 Prep Date.....: 06/25/08 Analysis Date...: 06/28/08
 Prep Batch #....: 8177442
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	210	pg/L	105	EPA-5 1613B-T

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	60	(25 - 141)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters